

Supplementary Table S3: The Gene Ontology (GO) analysis of DEGs between A549 and A549RR cells.

| GOID       | GOTerm                                                                   | Ontology Source   | Group PValue | Associated Genes Found                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------|--------------------------------------------------------------------------|-------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GO:0000981 | DNA-binding transcription factor activity, RNA polymerase II-specific    | BiologicalProcess | 0.00         | [AHRR, AIRE, ALX1, ALX4, AREG, ARID3B, ARID5B, ARX, ATF3, ATF5, ATF7, BACH2, BARX1, BCL11A, BCL11B, BCL6, BHLHE41, CARF, CC2D1A, CREB3, CREB3L1, CREBRF, CREM, CSRN3P, CYP1A1, CYP27B1, DBP, DDN, DLX1, DLX2, DLX4, DMRTA1, DMRTA2, E2F6, EAF2, EBF1, EBF2, EBF3, EBF4, EGR1, ELK1, ELOF1, ESR2, ESRRG, ETV2, EZH1, FOS, FOSL1, FOSL2, FOXA1, FOXA3, FOXD1, FOXD3, FOXD4L1, FOXE1, FOXF2, FOXN4, FOXP1, FOXP2, FOXPA4, GATA2, GATA3, GATA5, GATA6, GATD3A, GLI1, GLI2, GLI3, GRHL3, GSC, HES1, HES2, HEY1, HINFP, HLX, HMX1, HNF1A, HNF4A, HOXA1, HOXA10, HOXA13, HOXA5, HOXA6, HOXB13, HOXB2, HOXB3, HOXB5, HOXB6, HOXB7, HOXB8, HOXB9, HOXC6, HOXC8, HOXC9, HOXD1, HOXD10, HOXD13, HOXD9, HSF4, IFI16, IRF1, IRF4, IRF5, KCNH4, KLF16, KLF2, KLF4, KLF7, KLF9, KLRG1, LBX2, LH4, LHX6, LHX8, LHX9, LMO2, MAFK, MAPRE3, MEF2B, MEIS1, MESP1, MGAM, MIA3, MIER3, MITF, MLXIP, MNX1, MSX2, MXD3, MXI1, MYCL, MYPOP, NFATC1, NFIX, NFYA, NKX2-1, NKX2-5, NKX3-1, NKX3-2, NKX6-1, NR1D1, NR1H4, NR2E3, NR2F6, NR3C2, NR4A1, NR4A2, NR4A3, NRL, OTX1, OVOL3, PAX2, PAX7, PAX8, PAX9, PBX2, PBX4, PCGF6, PITX1, PITX2, PKMYT1, PKNOX1, PLAG1, POU3F3, POU4F3, POU5F1, POU5F2, POU6F1, PPARA, PRDM1, PRDM5, PRRX2, RCOR2, RELB, RUNX2, RXRA, SALL1, SALL2, SARNP, SATB1, SATB2, SIM2, SIX4, SNAI1, SOX17, SOX2, SOX21, SOX4, SOX5, SOX6, SOX7, SOX9, SP140L, SP8, STAT4, STAT5A, TBX20, TBX3, TBX6, TCF7, TEAD3, TFAP2C, THAP11, THAP12, THAP6, THAP8, TP53, TRPS1, TSC22D4, TSHZ3, TWIST1, USF3, VDR, YY2, ZBED3, ZBTB17, ZBTB2, ZBTB36, ZBTB34, ZBTB45, ZBTB46, ZC3H6, ZFX, ZKSCAN2, ZKSCAN3, ZMYM5, ZMYM6, ZNF174, ZNF175, ZNF202, ZNF239, ZNF300, ZNF335, ZNF350, ZNF396, ZNF487, ZNF511, ZNF524, ZNF639, ZNF654, ZNF668, ZSCAN21]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| GO:0001228 | DNA-binding transcription activator activity, RNA polymerase II-specific | BiologicalProcess | 0.01         | [AIRE, ALX1, ALX4, AREG, ARID3B, ATF3, ATF5, BARX1, BCL11B, CARF, CREB3, CREB3L1, CREBRF, CSRN3P, DBP, DLX2, EAF2, EBF1, EBF2, EBF3, EBF4, EGR1, ELK1, ELOF1, ESRRG, ETV2, FOS, FOSL1, FOSL2, FOXA1, FOXD1, FOXF2, GATA2, GATA3, GLI2, GRHL3, HNF1A, HNF4A, HOXA1, HOXA10, HOXA5, HOXB2, HOXB3, HOXB5, HOXB7, HOXD10, HOXD13, IRF1, IRF4, IRF5, KCNH4, KLF4, KLF7, KLRG1, LH4, LMO2, MAPRE3, MEF2B, MEIS1, MESP1, MGAM, MITF, MYCL, NFATC1, NFYA, NKX2-5, NR1H4, NR2E3, NR4A1, NR4A2, NR4A3, NRL, OTX1, OVOL3, PAX8, PAX9, PBX2, PBX4, PITX1, PLAG1, POU3F3, POU4F3, POU5F1, POU5F2, POU6F1, PPARA, RUNX2, SALL2, SATB2, SIX4, SOX17, SOX2, SOX21, SOX4, SOX9, STAT4, STAT5A, TBX20, TBX3, TBX6, TCF7, TEAD3, TFAP2C, TP53, YY2, ZBTB17, ZNF175, ZNF300, ZNF639, ZNF654, ZSCAN21]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GO:0017157 | regulation of exocytosis                                                 | BiologicalProcess | 0.01         | [ADCY1, ADORA2B, BACE1, BAIAP3, BRAF, CACNA1H, CACNA1I, CDK5R2, DOC2A, DRD1, EXPH5, FGA, FGB, GAB2, GATA2, HAP1, HLA-F, HMOX1, HYAL3, ITGAM, KCNB1, LGALS9, MICAL1, NLGN1, NPPA, NRN1, NRXN3, P2RY1, PCDHA4, PCLO, PLA2G6, PRKCG, RAB27B, RAB33B, RAB3A, RAPGEF4, RIMS2, RIMS4, SMPD3, SNAPIN, SNCA, STXBP1, STXBP5L, SYP, SYT13, SYT17, SYT3, SYT6, SYTL4, TRIM9, UNC13B, UNC13D, VAMP1, VAMP2, VAMP7, VAMP8, VPS18, VPS4A, ZP3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GO:0021953 | central nervous system neuron differentiation                            | BiologicalProcess | 0.00         | [ARX, ATF5, ATP7A, BCL11B, C21orf91, CHD5, DCL1, DISC1, DKK1, DLX1, DLX2, DRD1, EPHA4, EPHB3, FGFR2, FOXN4, GATA2, GATD3A, GBA2, GLI2, GLI3, HES1, HOXD10, INHBA, LH4, LHX6, LHX8, MAP2, MAPT, MDGA1, MNX1, NANOS1, NKX2-1, NKX6-1, NR4A2, OPHN1, PAX7, PLXNA3, PTCH1, SALL1, SATB2, SCYL3, SFRP1, SHH, SLC4A10, SLIT2, SMOX, SOX4, SPOCK1, SPTBN4, TBX20, TTL1, UNC5D, WNT3, ZC4H2, ZNF335]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| GO:0043009 | chordate embryonic development                                           | BiologicalProcess | 0.00         | [ACVR2A, ACVRL1, ADAMTS3, ADM, AKAP3, ALDH1A2, ALX1, ALX4, AMOT, ANGPT1, APBA3, AREG, ATP7A, AXIN2, BRCA2, BTN3A3, BYSL, CAMSAP3, CCDC24, CCDC62, CITED2, CNOT3, COL1A1, CTHRC1, DACT1, DKK1, DCL1, DLEC1, DLL1, DLX1, DLX2, DSC2, DSC3, DSCAML1, EDNRA, ENDOG, ERCC2, ETV2, EXT1, EYA1, FBXW8, FGFR2, FLCN, FOSL1, FOXA1, FOXD3, FUT8, FUZ, FZD5, FZD9, GATA2, GATA3, GATA6, GATD3A, GLI2, GLI3, GLMN, GNA13, GRHL3, GSC, HES1, HEY1, HINFP, HNF1A, HOXA1, HOXA5, HOXA6, HOXB2, HOXB3, HOXB5, HOXB6, HOXB7, HOXB8, HOXB9, HOXC6, HOXC9, HOXD1, HOXD10, HOXD9, HS3ST6, HSD17B7, HYAL1, IFT52, KBTBD8, KDM4C, KLF2, KRT19, LFNG, LPAR6, LRP2, LMRP1, MIA3, MKS1, MMP16, MUC19, NANOS3, NKD1, NKX2-5, NKX3-1, NKX3-2, NOG, NPHP3, NPHP3-ACAD11, NRARP, NRK, OSR2, PAX2, PAX7, PCSK5, PELO, PHLDA2, PNLDC1, POGU1T, POU5F1, PRDM1, PTCH1, PTPN18, ROR2, RPRGRIPL, RSP03, RUNX2, RXRA, SALL2, SALL4, SATB2, SFRP1, SHH, SIX4, SLC35E2B, SLC39A3, SMARCB1, SMIM14, SMOX, SNAI1, SOX17, SOX4, SOX6, SOX9, ST14, STMN3, SULF2, TAF8, TAPT1, TBX3, TBX6, TCF7, TET1, TGF83, TP53, TRAF6, TTPA, TWIST1, UBE2B, VANGL2, VASH1, VASH2, WDT1, WNT11, WNT9A, XYLT1, ZNF335, ZNF568, ZP3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| GO:0043632 | modification-dependent macromolecule catabolic process                   | BiologicalProcess | 0.00         | [ANAPC10, ANAPC15, ANKZF1, ARAF, CAMLG, CLEC16A, COMMD1, DERL3, DISC1, ERCC8, ERLIN2, FBXL13, FBXL14, FBXL15, FBXL17, FBXL2, FBXL22, FBXL6, FBXO10, FBXO48, FBXW8, FEM1C, FHIT, FOXF2, GLMN, HECTD3, HFE, HSPA1A, IFI27, KAT5, KCTD21, KCTD6, KLHL3, LRRC29, MAGI1, MRPL23, MTM1, MVB12B, NHLRC1, NHLRC3, NKD2, PCYOX1L, PEL1, PLK2, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, RCHY1, RHBD2, RNF103, RNF122, RNF125, RNF144B, RNF166, RNF185, RNF19A, RNF43, RNF8, SH3RF2, SHH, SPO, TGF811, TMUB2, TRIB2, TRIM13, TRIM2, TRIM9, UBA1, UBAP1L, UBE2B, UBE2D4, UBE2I, UBE2S, UBL7, USP18, USP20, USP28, USP30, USP35, USP38, USP43, USP44, USP45, USP50, USP51, USP9Y, VP337D, VPS4A, ZYG11B]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| GO:0045087 | innate immune response                                                   | BiologicalProcess | 0.00         | [ADGRB1, AGER, AKR1C1, APOE, APOL1, AQP4, ARG2, ASS1, C2, C4A, C4BP4, C5, C7, CCL2, CCL26, CCL5, CD14, CD40, CD47, CD58, CDC42EP2, CFD, CFH, CHAMP1, CIITA, CYBB, CYP27B1, DEF81, EGR1, EHHADH, ERAP1, EREG, F12, FGA, FGB, GAB2, GATA3, GBP3, GBA4, GCH1, GSDMD, HFE, HLA-DRA, HLA-F, ICAM1, ICAM3, IFI16, IFI27, IFIH1, IFIT2, IFITM2, IFITM3, IKBKE, IL1RAP, IL36B, IRF1, IRF4, IRF5, ISG20, ITGAM, KLRG1, KRT16, LAG3, LGALS3, LGALS9, MALT1, MATR3, MICA, MID1, MID2, MIF, MR1, MUC1, MUC16, MUC20, MUC3A, MUC5AC, MUC5B, NLR3, NOD2, NOS2, NR1H4, OASL, PDE12, PIK3CG, POLR3G, POLR3K, PQBP1, PRDM1, PRKD1, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, PYCARD, RAB43, RBM14, RELB, RNASEL, RNASET2, RNF135, RNF166, SNCA, SPON2, STAR, STXBP1, SUSD4, TAB3, TAC4, TKFC, TLR3, TLR5, TP53, TRAF6, TRIM13, TRIM22, TRIM29, TRIM4, TRIM68, TTC4, TTL12, ULBP2, UNC13D, UNC93B1, USP18, VAMP7, ZDHHC11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GO:0048562 | embryonic organ morphogenesis                                            | BiologicalProcess | 0.00         | [ALX1, ALX4, ATP6V1B1, BBS5, CHRNA9, CITED2, CTHRC1, DLL1, DLX2, DSCAML1, EFNA1, EYA1, FGFR2, FOXE1, FOXF2, FOXN4, FRS2, FUZ, FZD5, FZD9, GATA2, GATA3, GATD3A, GLI1, GLI2, GLI3, GRHL3, GSC, HES1, HLX, HOXA1, HOXA5, HOXA6, HOXB2, HOXB3, HOXB5, HOXB6, HOXB7, HOXB8, HOXB9, HOXC9, HOXD10, HOXD9, HYAL1, IFT52, LRIG1, MESP1, MMP16, MYO3A, MYO7A, NKX2-5, NKX3-1, NOG, NPHP3, NPHP3-ACAD11, NR4A3, OSR2, OTX1, PAX2, PAX8, PDZD7, POU4F3, ROR2, RUNX2, SALL1, SATB2, SETDB2, SHH, SIX4, SLC39A3, SLITRK6, SMOX, SOX17, SOX9, STOX1, TBX20, TBX3, TBX6, TCF7, TCF2, TCF3, TCF4, TCF5, TCF6, TCF7, TCF8, TCF9, TCF10, TCF11, TCF12, TCF13, TCF14, TCF15, TCF16, TCF17, TCF18, TCF19, TCF20, TCF21, TCF22, TCF23, TCF24, TCF25, TCF26, TCF27, TCF28, TCF29, TCF30, TCF31, TCF32, TCF33, TCF34, TCF35, TCF36, TCF37, TCF38, TCF39, TCF40, TCF41, TCF42, TCF43, TCF44, TCF45, TCF46, TCF47, TCF48, TCF49, TCF50, TCF51, TCF52, TCF53, TCF54, TCF55, TCF56, TCF57, TCF58, TCF59, TCF60, TCF61, TCF62, TCF63, TCF64, TCF65, TCF66, TCF67, TCF68, TCF69, TCF70, TCF71, TCF72, TCF73, TCF74, TCF75, TCF76, TCF77, TCF78, TCF79, TCF80, TCF81, TCF82, TCF83, TCF84, TCF85, TCF86, TCF87, TCF88, TCF89, TCF90, TCF91, TCF92, TCF93, TCF94, TCF95, TCF96, TCF97, TCF98, TCF99, TCF100, TCF101, TCF102, TCF103, TCF104, TCF105, TCF106, TCF107, TCF108, TCF109, TCF110, TCF111, TCF112, TCF113, TCF114, TCF115, TCF116, TCF117, TCF118, TCF119, TCF120, TCF121, TCF122, TCF123, TCF124, TCF125, TCF126, TCF127, TCF128, TCF129, TCF130, TCF131, TCF132, TCF133, TCF134, TCF135, TCF136, TCF137, TCF138, TCF139, TCF140, TCF141, TCF142, TCF143, TCF144, TCF145, TCF146, TCF147, TCF148, TCF149, TCF150, TCF151, TCF152, TCF153, TCF154, TCF155, TCF156, TCF157, TCF158, TCF159, TCF160, TCF161, TCF162, TCF163, TCF164, TCF165, TCF166, TCF167, TCF168, TCF169, TCF170, TCF171, TCF172, TCF173, TCF174, TCF175, TCF176, TCF177, TCF178, TCF179, TCF180, TCF181, TCF182, TCF183, TCF184, TCF185, TCF186, TCF187, TCF188, TCF189, TCF190, TCF191, TCF192, TCF193, TCF194, TCF195, TCF196, TCF197, TCF198, TCF199, TCF200, TCF201, TCF202, TCF203, TCF204, TCF205, TCF206, TCF207, TCF208, TCF209, TCF210, TCF211, TCF212, TCF213, TCF214, TCF215, TCF216, TCF217, TCF218, TCF219, TCF220, TCF221, TCF222, TCF223, TCF224, TCF225, TCF226, TCF227, TCF228, TCF229, TCF230, TCF231, TCF232, TCF233, TCF234, TCF235, TCF236, TCF237, TCF238, TCF239, TCF240, TCF241, TCF242, TCF243, TCF244, TCF245, TCF246, TCF247, TCF248, TCF249, TCF250, TCF251, TCF252, TCF253, TCF254, TCF255, TCF256, TCF257, TCF258, TCF259, TCF260, TCF261, TCF262, TCF263, TCF264, TCF265, TCF266, TCF267, TCF268, TCF269, TCF270, TCF271, TCF272, TCF273, TCF274, TCF275, TCF276, TCF277, TCF278, TCF279, TCF280, TCF281, TCF282, TCF283, TCF284, TCF285, TCF286, TCF287, TCF288, TCF289, TCF290, TCF291, TCF292, TCF293, TCF294, TCF295, TCF296, TCF297, TCF298, TCF299, TCF300, TCF301, TCF302, TCF303, TCF304, TCF305, TCF306, TCF307, TCF308, TCF309, TCF310, TCF311, TCF312, TCF313, TCF314, TCF315, TCF316, TCF317, TCF318, TCF319, TCF320, TCF321, TCF322, TCF323, TCF324, TCF325, TCF326, TCF327, TCF328, TCF329, TCF330, TCF331, TCF332, TCF333, TCF334, TCF335, TCF336, TCF337, TCF338, TCF339, TCF340, TCF341, TCF342, TCF343, TCF344, TCF345, TCF346, TCF347, TCF348, TCF349, TCF350, TCF351, TCF352, TCF353, TCF354, TCF355, TCF356, TCF357, TCF358, TCF359, TCF360, TCF361, TCF362, TCF363, TCF364, TCF365, TCF366, TCF367, TCF368, TCF369, TCF370, TCF371, TCF372, TCF373, TCF374, TCF375, TCF376, TCF377, TCF378, TCF379, TCF380, TCF381, TCF382, TCF383, TCF384, TCF385, TCF386, TCF387, TCF388, TCF389, TCF390, TCF391, TCF392, TCF393, TCF394, TCF395, TCF396, TCF397, TCF398, TCF399, TCF400, TCF401, TCF402, TCF403, TCF404, TCF405, TCF406, TCF407, TCF408, TCF409, TCF410, TCF411, TCF412, TCF413, TCF414, TCF415, TCF416, TCF417, TCF418, TCF419, TCF420, TCF421, TCF422, TCF423, TCF424, TCF425, TCF426, TCF427, TCF428, TCF429, TCF430, TCF431, TCF432, TCF433, TCF434, TCF435, TCF436, TCF437, TCF438, TCF439, TCF440, TCF441, TCF442, TCF443, TCF444, TCF445, TCF446, TCF447, TCF448, TCF449, TCF450, TCF451, TCF452, TCF453, TCF454, TCF455, TCF456, TCF457, TCF458, TCF459, TCF460, TCF461, TCF462, TCF463, TCF464, TCF465, TCF466, TCF467, TCF468, TCF469, TCF470, TCF471, TCF472, TCF473, TCF474, TCF475, TCF476, TCF477, TCF478, TCF479, TCF480, TCF481, TCF482, TCF483, TCF484, TCF485, TCF486, TCF487, TCF488, TCF489, TCF490, TCF491, TCF492, TCF493, TCF494, TCF495, TCF496, TCF497, TCF498, TCF499, TCF500, TCF501, TCF502, TCF503, TCF504, TCF505, TCF506, TCF507, TCF508, TCF509, TCF510, TCF511, TCF512, TCF513, TCF514, TCF515, TCF516, TCF517, TCF518, TCF519, TCF520, TCF521, TCF522, TCF523, TCF524, TCF525, TCF526, TCF527, TCF528, TCF529, TCF530, TCF531, TCF532, TCF533, TCF534, TCF535, TCF536, TCF537, TCF538, TCF539, TCF540, TCF541, TCF542, TCF543, TCF544, TCF545, TCF546, TCF547, TCF548, TCF549, TCF550, TCF551, TCF552, TCF553, TCF554, TCF555, TCF556, TCF557, TCF558, TCF559, TCF560, TCF561, TCF562, TCF563, TCF564, TCF565, TCF566, TCF567, TCF568, TCF569, TCF570, TCF571, TCF572, TCF573, TCF574, TCF575, TCF576, TCF577, TCF578, TCF579, TCF580, TCF581, TCF582, TCF583, TCF584, TCF585, TCF586, TCF587, TCF588, TCF589, TCF590, TCF591, TCF592, TCF593, TCF594, TCF595, TCF596, TCF597, TCF598, TCF599, TCF600, TCF601, TCF602, TCF603, TCF604, TCF605, TCF606, TCF607, TCF608, TCF609, TCF610, TCF611, TCF612, TCF613, TCF614, TCF615, TCF616, TCF617, TCF618, TCF619, TCF620, TCF621, TCF622, TCF623, TCF624, TCF625, TCF626, TCF627, TCF628, TCF629, TCF630, TCF631, TCF632, TCF633, TCF634, TCF635, TCF636, TCF637, TCF638, TCF639, TCF640, TCF641, TCF642, TCF643, TCF644, TCF645, TCF646, TCF647, TCF648, TCF649, TCF650, TCF651, TCF652, TCF653, TCF654, TCF655, TCF656, TCF657, TCF658, TCF659, TCF660, TCF661, TCF662, TCF663, TCF664, TCF665, TCF666, TCF667, TCF668, TCF669, TCF670, TCF671, TCF672, TCF673, TCF674, TCF675, TCF676, TCF677, TCF678, TCF679, TCF680, TCF681, TCF682, TCF683, TCF684, TCF685, TCF686, TCF687, TCF688, TCF689, TCF690, TCF691, TCF692, TCF693, TCF694, TCF695, TCF696, TCF697, TCF698, TCF699, TCF700, TCF701, TCF702, TCF703, TCF704, TCF705, TCF706, TCF707, TCF708, TCF709, TCF710, TCF711, TCF712, TCF713, TCF714, TCF715, TCF716, TCF717, TCF718, TCF719, TCF720, TCF721, TCF722, TCF723, TCF724, TCF725, TCF726, TCF727, TCF728, TCF729, TCF730, TCF731, TCF732, TCF733, TCF734, TCF735, TCF736, TCF737, TCF738, TCF739, TCF740, TCF741, TCF742, TCF743, TCF744, TCF745, TCF746, TCF747, TCF748, TCF749, TCF750, TCF751, TCF752, TCF753, TCF754, TCF755, TCF756, TCF757, TCF758, TCF759, TCF760, TCF761, TCF762, TCF763, TCF764, TCF765, TCF766, TCF767, TCF768, TCF769, TCF770, TCF771, TCF772, TCF773, TCF774, TCF775, TCF776, TCF777, TCF778, TCF779, TCF780, TCF781, TCF782, TCF783, TCF784, TCF785, TCF786, TCF787, TCF788, TCF789, TCF790, TCF791, TCF792, TCF793, TCF794, TCF795, TCF796, TCF797, TCF798, TCF799, TCF800, TCF801, TCF802, TCF803, TCF804, TCF805, TCF806, TCF807, TCF808, TCF809, TCF810, TCF811, TCF812, TCF813, TCF814, TCF815, TCF816, TCF817, TCF818, TCF819, TCF820, TCF821, TCF822, TCF823, TCF824, TCF825, TCF826, TCF827, TCF828, TCF829, TCF830, TCF831, TCF832, TCF833, TCF834, TCF835, TCF836, TCF837, TCF838, TCF839, TCF840, TCF841, TCF842, TCF843, TCF844, TCF845, TCF846, TCF847, TCF848, TCF849, TCF850, TCF851, TCF852, TCF853, TCF854, TCF855, TCF856, TCF857, TCF858, TCF859, TCF860, TCF861, TCF862, TCF863, TCF864, TCF865, TCF866, TCF867, TCF868, TCF869, TCF870, TCF871, TCF872, TCF873, TCF874, TCF875, TCF876, TCF877, TCF878, TCF879, TCF880, TCF881, TCF882, TCF883, TCF884, TCF885, TCF886, TCF887, TCF888, TCF889, TCF890, TCF891, TCF892, TCF893, TCF894, TCF895, TCF896, TCF897, TCF898, TCF899, TCF900, TCF901, TCF902, TCF903, TCF904, TCF905, TCF906, TCF907, TCF908, TCF909, TCF910, TCF911, TCF912, TCF913, TCF914, TCF915, TCF916, TCF917, TCF918, TCF919, TCF920, TCF921, TCF922, TCF923, TCF924, TCF925, TCF926, TCF927, TCF928, TCF929, TCF930, TCF931, TCF932, TCF933, TCF934, TCF935, TCF936, TCF937, TCF938, TCF939, TCF940, TCF941, TCF942, TCF943, TCF944, TCF945, TCF946, TCF947, TCF948, TCF949, TCF950, TCF951, TCF952, TCF953, TCF954, TCF955, TCF956, TCF957, TCF958, TCF959, TCF960, TCF961, TCF962, TCF963, TCF964, TCF965, TCF966, TCF967, TCF968, TCF969, TCF970, TCF971, TCF972, TCF973, TCF974, TCF975, TCF976, TCF977, TCF978, TCF979, TCF980, TCF981, TCF982, TCF983, TCF984, TCF985, TCF986, TCF987, TCF988, TCF989, TCF990, TCF991, TCF992, TCF993, TCF994, TCF995, TCF996, TCF997, TCF998, TCF999, TCF1000] |
| GO:0048568 | embryonic organ development                                              | BiologicalProcess | 0.00         | [ADM, ALDH1A2, ALX1, ALX4, ATP6V1B1, BBS5, CHRNA9, CITED2, CTHRC1, CXCL8, DLL1, DLX2, DSCAML1, EFNA1, ERCC2, EYA1, FBXW8, FGFR2, FOXE1, FOXF2, FOXN4, FRS2, FUZ, FZD5, FZD9, GATA2, GATA3, GATD3A, GLI1, GLI2, GLI3, GRHL3, GSC, HES1, HEY1, HLX, HOXA1, HOXA5, HOXA6, HOXB2, HOXB3, HOXB5, HOXB6, HOXB7, HOXB8, HOXB9, HOXC9, HOXD10, HOXD9, HYAL1, IFT52, LRIG1, MESP1, MIA3, MKS1, MMP16, MYO3A, MYO7A, NES, NKX2-5, NKX3-2, NOG, NPHP3, NPHP3-ACAD11, NR4A3, NRK, OSR2, OTX1, PAX2, PAX8, PBX2, PBX4, PCSK5, PDZD7, PHLDA2, POU4F3, PPR1R13L, PRDM1, PTCH1, ROR2, RSP03, RUNX2, SALL1, SATB2, SETDB2, SH2B3, SHH, SIX4, SLC39A3, SLITRK6, SMOX, SNAI1, SOX17, SOX9, ST14, STOX1, TBX1, TBX2, TBX3, TBX6, TCF7, TEAD3, TGF83, TP53, TPRN, TTPA, TWIST1, VANGL2, VASH1, VASH2, WHRN, WNT11, WNT9A, ZNF568]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| GO:0048608 | reproductive structure development                                       | BiologicalProcess | 0.00         | [ACVR2A, ADAM19, ADM, AREG, ARID5B, ASB1, BCL2, BRCA2, CITED2, CNRP1, COL9A3, CTSV, CXXC1, CYP27B1, DEDD, DMC1, DMRTA1, EAF2, EPOR, EREG, ETV2, FBXW8, FGFR2, FKBP, FOSL1, FOXA1, FOXF2, FRS2, FST, FZD5, GATA2, GATA3, GATD3A, GJA1, GJB2, GLI1, GLI2, GLI3, GNRH1, GREB1L, HES1, HEY1, HID1, HNF1A, HOXA10, HOXB13, HOXD13, HYAL3, ICAM1, INHA, INHBA, KDM5B, KRT19, LFNG, LHX4, LHX8, LHX9, LRP2, LRRC6, MAMLD1, MIA3, MME, NANOS3, NKX2-1, NKX3-1, NOG, NRK, NUDT1, NUPR1, PEG10, PHLDA2, PLAG1, PRDM1, PRDX4, PTCH1, PTGS2, RNF38, ROR2, RSP03, RXRA, SALL1, SERPINE2, SFRP1, SHH, SIX4, SLIT1, SLIT2, SLIT3, SNAI1, SOX9, ST14, STAR, STC1, STC2, TBX3, TCF7, TEX19, TFAP2C, TLR3, TLR5, TNC, TPPP3, TTPA, VASH1, VASH2, VDR, VGF, WDR77, ZNF568, ZP3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| GO:0006396 | RNA processing                                                           | BiologicalProcess | 0.00         | [AICF, ALYREF, AURKAIP1, BMT2, BOP1, BYSL, C1D, C9orf64, CCDC130, CLASRP, COQ7, CSTF2, DDX47, DDX49, DDX51, DHX37, DTWD2, DUS3L, EIF6, ELAC1, ERCC2, ESRP1, EXOSC1, FAM98B, FCF1, FOXE1, FTSJ1, GEMIN2, GEMIN7, GEMIN8, GPKOW, GTF2H2, GTF2H4, HELQ, HSPA1A, IMP3, INTS12, INTS5, ISG20, KAT2B, KHDRBS3, KHSRP, KTI12, LAGE3, LGALS3, LSM5, METTL15, METTL2A, METTL2B, MPHOSPH10, MPHOSPH6, MRM2, MRPL1, MTPAP, NOVA1, NSUN3, OSGEP, OSGEPL1, PABPN1, PAN2, PAPOLG, PCBP4, PDE12, PELP1, PIH1D2, POLR2H, POLR2J, POLR3K, POP5, PPP1R8, PPWD1, PQBP1, PRORP, PTCO2, PUS10, PWP2, RAVR1, RBM3, RBM7, RDH14, RIOK2, RNASEL, RNF113A, RNGTT, RPP40, RPRD2, RPS26, RPS28, RPSU5D, RPSU5D2, RRAGC, RRP15, RRP8, SARNP, SCAF4, SLBP, SNRPB, SNRPF, SNRPN, SRFBP1, SRSF12, SUPT4H1, SUV39H1, TELO2, TMC1, TOE1, TP53, TPRK8, TRDMT1, TRMT11, TRMT61A, TRMT61B, TRPT1, TRUB2, TSEN2, TSR3, TUT1, TXNL4A, TXNL4B, TYW5, U2AF1, U2AF1L4, U2AF1L5, URM1, UTP15, UTP20, WDR43, WDR77, YBEY, ZC3H10, ZC3H11A, ZCCHC4, ZNF326, ZNHIT3, ZRSR2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| GO:0048705 | skeletal system morphogenesis                                            | BiologicalProcess | 0.00         | [ALPL, ALX1, ALX4, ANXA6, ARID5B, AXIN2, CHAD, CITED2, COL11A2, COL12A1, COL13A1, COL1A1, COL6A1, DLX2, DSCAML1, EYA1, FGFR2, FGFR3, FUZ, GLI3, GREM1, GSC, HAS2, HHIP, HOXA1, HOXA5, HOXA6, HOXB2, HOXB3, HOXB5, HOXB6,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|            |                                                   |                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------|---------------------------------------------------|-------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GO:0006325 | chromatin organization                            | BiologicalProcess | 0.00 | [ACTR8, ALKBH4, APBB1, AUTS2, BABAM1, BANP, BCL6, BRCA2, BRD3, CBX7, CDAN1, CENPL, CENPS, CENPT, CENPV, CHD1, CHD3, CHD5, CHD9, CHRAC1, CPA4, CXXC1, DOT1L, DPF1, DRD1, ELOF1, EPC1, EPOP, EYA1, EYAZ, EZH1, FLCN, FOXA1, FOXA3, GATA2, GATA3, GPX4, H1-10, H1-5, H2AC15, H2AZ1, H2BC5, H4C12, HDAC9, HIPK4, HMGN5, HNF1A, HR, HSF4, ING1, ING4, IRF4, KAT2B, KAT5, KAT6B, KDMAC, KDM5B, KDM7A, L3MBTL1, LRIF1, MAGI1, MAP3K12, MIER2, MIER3, MUC1, NAA60, NANOS1, NAP1L2, NAP1L3, NAP1L5, NR1H4, NR4A2, PAD11, PAD12, PAD13, PAGR1, PAX7, PCGF1, PCGF6, PER2, PHF1, PHF21A, PPM1D, PRDM11, PRDM13, PRDM5, PRKAA2, PRKD1, RAG1, RBM14, RNF8, RRP8, RSF1, SATB1, SATB2, SCMH1, SCLD5, TBRD16C5, SETDB2, SETMAR, SETSIP, SMARCB1, SMYD3, SNAI1, SNCA, SOX2, SOX9, SUPT3H, SUPT4H1, SUV39H1, TADA2A, TAF6L, TDRD3, TET1, TMEM98, TP53, TLL1L2, TMLH1, UBR4B, UBR4C, UBR4D, UBR4E, UBR4F, UBR4G, UBR4H, UBR4I, UBR4J, UBR4K, UBR4L, UBR4M, UBR4N, UBR4O, UBR4P, UBR4Q, UBR4R, UBR4S, UBR4T, UBR4U, UBR4V, UBR4W, UBR4X, UBR4Y, UBR4Z, UBR4AA, UBR4AB, UBR4AC, UBR4AD, UBR4AE, UBR4AF, UBR4AG, UBR4AH, UBR4AI, UBR4AJ, UBR4AK, UBR4AL, UBR4AM, UBR4AN, UBR4AO, UBR4AP, UBR4AQ, UBR4AR, UBR4AS, UBR4AT, UBR4AU, UBR4AV, UBR4AW, UBR4AX, UBR4AY, UBR4AZ, UBR4BA, UBR4BB, UBR4BC, UBR4BD, UBR4BE, UBR4BF, UBR4BG, UBR4BH, UBR4BI, UBR4BJ, UBR4BK, UBR4BL, UBR4BM, UBR4BN, UBR4BO, UBR4BP, UBR4BQ, UBR4BR, UBR4BS, UBR4BT, UBR4BU, UBR4BV, UBR4BW, UBR4BX, UBR4BY, UBR4BZ, UBR4CA, UBR4CB, UBR4CC, UBR4CD, UBR4CE, UBR4CF, UBR4CG, UBR4CH, UBR4CI, UBR4CJ, UBR4CK, UBR4CL, UBR4CM, UBR4CN, UBR4CO, UBR4CP, UBR4CQ, UBR4CR, UBR4CS, UBR4CT, UBR4CU, UBR4CV, UBR4CW, UBR4CX, UBR4CY, UBR4CZ, UBR4DA, UBR4DB, UBR4DC, UBR4DD, UBR4DE, UBR4DF, UBR4DG, UBR4DH, UBR4DI, UBR4DJ, UBR4DK, UBR4DL, UBR4DM, UBR4DN, UBR4DO, UBR4DP, UBR4DQ, UBR4DR, UBR4DS, UBR4DT, UBR4DU, UBR4DV, UBR4DW, UBR4DX, UBR4DY, UBR4DZ, UBR4EA, UBR4EB, UBR4EC, UBR4ED, UBR4EE, UBR4EF, UBR4EG, UBR4EH, UBR4EI, UBR4EJ, UBR4EK, UBR4EL, UBR4EM, UBR4EN, UBR4EO, UBR4EP, UBR4EQ, UBR4ER, UBR4ES, UBR4ET, UBR4EU, UBR4EV, UBR4EW, UBR4EX, UBR4EY, UBR4EZ, UBR4FA, UBR4FB, UBR4FC, UBR4FD, UBR4FE, UBR4FF, UBR4FG, UBR4FH, UBR4FI, UBR4FJ, UBR4FK, UBR4FL, UBR4FM, UBR4FN, UBR4FO, UBR4FP, UBR4FQ, UBR4FR, UBR4FS, UBR4FT, UBR4FU, UBR4FV, UBR4FW, UBR4FX, UBR4FY, UBR4FZ, UBR4GA, UBR4GB, UBR4GC, UBR4GD, UBR4GE, UBR4GF, UBR4GH, UBR4GI, UBR4GJ, UBR4GK, UBR4GL, UBR4GM, UBR4GN, UBR4GO, UBR4GP, UBR4GQ, UBR4GR, UBR4GS, UBR4GT, UBR4GU, UBR4GV, UBR4GW, UBR4GX, UBR4GY, UBR4GZ, UBR4HA, UBR4HB, UBR4HC, UBR4HD, UBR4HE, UBR4HF, UBR4HG, UBR4HH, UBR4HI, UBR4HJ, UBR4HK, UBR4HL, UBR4HM, UBR4HN, UBR4HO, UBR4HP, UBR4HQ, UBR4HT, UBR4HU, UBR4HV, UBR4HW, UBR4HX, UBR4HY, UBR4HZ, UBR4IA, UBR4IB, UBR4IC, UBR4ID, UBR4IE, UBR4IF, UBR4IG, UBR4IH, UBR4II, UBR4IJ, UBR4IK, UBR4IL, UBR4IM, UBR4IN, UBR4IO, UBR4IP, UBR4IQ, UBR4IR, UBR4IS, UBR4IT, UBR4IU, UBR4IV, UBR4IW, UBR4IX, UBR4IY, UBR4IZ, UBR4JA, UBR4JB, UBR4JC, UBR4JD, UBR4JE, UBR4JF, UBR4JG, UBR4JH, UBR4JI, UBR4JJ, UBR4JK, UBR4JL, UBR4JM, UBR4JN, UBR4JO, UBR4JP, UBR4JQ, UBR4JR, UBR4JS, UBR4JT, UBR4JU, UBR4JV, UBR4JW, UBR4JX, UBR4JY, UBR4JZ, UBR4KA, UBR4KB, UBR4KC, UBR4KD, UBR4KE, UBR4KF, UBR4KG, UBR4KH, UBR4KI, UBR4KJ, UBR4KK, UBR4KL, UBR4KM, UBR4KN, UBR4KO, UBR4KP, UBR4KQ, UBR4KR, UBR4KS, UBR4KT, UBR4KU, UBR4KV, UBR4KW, UBR4KX, UBR4KY, UBR4KZ, UBR4LA, UBR4LB, UBR4LC, UBR4LD, UBR4LE, UBR4LF, UBR4LG, UBR4LH, UBR4LI, UBR4LJ, UBR4LK, UBR4LL, UBR4LM, UBR4LN, UBR4LO, UBR4LP, UBR4LQ, UBR4LR, UBR4LS, UBR4LT, UBR4LU, UBR4LV, UBR4LW, UBR4LX, UBR4LY, UBR4LZ, UBR4MA, UBR4MB, UBR4MC, UBR4MD, UBR4ME, UBR4MF, UBR4MG, UBR4MH, UBR4MI, UBR4MJ, UBR4MK, UBR4ML, UBR4MN, UBR4MO, UBR4MP, UBR4MQ, UBR4MR, UBR4MS, UBR4MT, UBR4MU, UBR4MV, UBR4MW, UBR4MX, UBR4MY, UBR4MZ, UBR4NA, UBR4NB, UBR4NC, UBR4ND, UBR4NE, UBR4NF, UBR4NG, UBR4NH, UBR4NI, UBR4NJ, UBR4NK, UBR4NL, UBR4NM, UBR4NO, UBR4NP, UBR4NQ, UBR4NR, UBR4NS, UBR4NT, UBR4NU, UBR4NV, UBR4NW, UBR4NX, UBR4NY, UBR4NZ, UBR4OA, UBR4OB, UBR4OC, UBR4OD, UBR4OE, UBR4OF, UBR4OG, UBR4OH, UBR4OI, UBR4OJ, UBR4OK, UBR4OL, UBR4OM, UBR4ON, UBR4OO, UBR4OP, UBR4OQ, UBR4OR, UBR4OS, UBR4OT, UBR4OU, UBR4OV, UBR4OW, UBR4OX, UBR4OY, UBR4OZ, UBR4PA, UBR4PB, UBR4PC, UBR4PD, UBR4PE, UBR4PF, UBR4PG, UBR4PH, UBR4PI, UBR4PJ, UBR4PK, UBR4PL, UBR4PM, UBR4PN, UBR4PO, UBR4PP, UBR4PQ, UBR4PR, UBR4PS, UBR4PT, UBR4PU, UBR4PV, UBR4PW, UBR4PX, UBR4PY, UBR4PZ, UBR4QA, UBR4QB, UBR4QC, UBR4QD, UBR4QE, UBR4QF, UBR4QG, UBR4QH, UBR4QI, UBR4QJ, UBR4QK, UBR4QL, UBR4QM, UBR4QN, UBR4QO, UBR4QP, UBR4QQ, UBR4QR, UBR4QS, UBR4QT, UBR4QU, UBR4QV, UBR4QW, UBR4QX, UBR4QY, UBR4QZ, UBR4RA, UBR4RB, UBR4RC, UBR4RD, UBR4RE, UBR4RF, UBR4RG, UBR4RH, UBR4RI, UBR4RJ, UBR4RK, UBR4RL, UBR4RM, UBR4RN, UBR4RO, UBR4RP, UBR4RQ, UBR4RR, UBR4RS, UBR4RT, UBR4RU, UBR4RV, UBR4RW, UBR4RX, UBR4RY, UBR4RZ, UBR4SA, UBR4SB, UBR4SC, UBR4SD, UBR4SE, UBR4SF, UBR4SG, UBR4SH, UBR4SI, UBR4SJ, UBR4SK, UBR4SL, UBR4SM, UBR4SN, UBR4SO, UBR4SP, UBR4SQ, UBR4SR, UBR4SS, UBR4ST, UBR4SU, UBR4SV, UBR4SW, UBR4SX, UBR4SY, UBR4SZ, UBR4TA, UBR4TB, UBR4TC, UBR4TD, UBR4TE, UBR4TF, UBR4TG, UBR4TH, UBR4TI, UBR4TJ, UBR4TK, UBR4TL, UBR4TM, UBR4TN, UBR4TO, UBR4TP, UBR4TQ, UBR4TR, UBR4TS, UBR4TT, UBR4TU, UBR4TV, UBR4TW, UBR4TX, UBR4TY, UBR4TZ, UBR4UA, UBR4UB, UBR4UC, UBR4UD, UBR4UE, UBR4UF, UBR4UG, UBR4UH, UBR4UI, UBR4UJ, UBR4UK, UBR4UL, UBR4UM, UBR4UN, UBR4UO, UBR4UP, UBR4UQ, UBR4UR, UBR4US, UBR4UT, UBR4UU, UBR4UV, UBR4UW, UBR4UX, UBR4UY, UBR4UZ, UBR4VA, UBR4VB, UBR4VC, UBR4VD, UBR4VE, UBR4VF, UBR4VG, UBR4VH, UBR4VI, UBR4VJ, UBR4VK, UBR4VL, UBR4VM, UBR4VN, UBR4VO, UBR4VP, UBR4VQ, UBR4VR, UBR4VS, UBR4VT, UBR4VU, UBR4VV, UBR4VW, UBR4VX, UBR4VY, UBR4VZ, UBR4WA, UBR4WB, UBR4WC, UBR4WD, UBR4WE, UBR4WF, UBR4WG, UBR4WH, UBR4WI, UBR4WJ, UBR4WK, UBR4WL, UBR4WM, UBR4WN, UBR4WO, UBR4WP, UBR4WQ, UBR4WR, UBR4WS, UBR4WT, UBR4WU, UBR4WV, UBR4WW, UBR4WX, UBR4WY, UBR4WZ, UBR4XA, UBR4XB, UBR4XC, UBR4XD, UBR4XE, UBR4XF, UBR4XG, UBR4XH, UBR4XI, UBR4XJ, UBR4XK, UBR4XL, UBR4XM, UBR4XN, UBR4XO, UBR4XP, UBR4XQ, UBR4XR, UBR4XS, UBR4XT, UBR4XU, UBR4XV, UBR4XW, UBR4XX, UBR4XY, UBR4XZ, UBR4YA, UBR4YB, UBR4YC, UBR4YD, UBR4YE, UBR4YF, UBR4YG, UBR4YH, UBR4YI, UBR4YJ, UBR4YK, UBR4YL, UBR4YM, UBR4YN, UBR4YO, UBR4YP, UBR4YQ, UBR4YR, UBR4YS, UBR4YT, UBR4YU, UBR4YV, UBR4YW, UBR4YX, UBR4YY, UBR4YZ, UBR4ZA, UBR4ZB, UBR4ZC, UBR4ZD, UBR4ZE, UBR4ZF, UBR4ZG, UBR4ZH, UBR4ZI, UBR4ZJ, UBR4ZK, UBR4ZL, UBR4ZM, UBR4ZN, UBR4ZO, UBR4ZP, UBR4ZQ, UBR4ZR, UBR4ZS, UBR4ZT, UBR4ZU, UBR4ZV, UBR4ZW, UBR4ZX, UBR4ZY, UBR4ZZ] |
| GO:0006401 | RNA catabolic process                             | BiologicalProcess | 0.00 | [AXIN2, CACNG7, CNOT3, DCP2, DDX49, DIS3L, DXO, EXOSC1, FASTKD3, GTPBP2, HSPA1A, ISG20, KHSRP, LSM5, MRPL23, MTPAP, NANOS1, NANOS3, NT5C3B, PAN2, PCBP4, PDE12, PELO, PNLDCC1, PPP1R8, PRR5L, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, RBM7, RDH14, RNASEL, RNASET2, RPL36A, RPL9, RPS10, RPS26, RPS28, SCGB1A1, SLFN11, SLFN13, SMG8, TNRC6A, TNRC6C, TOB1, TRDMT1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| GO:0008380 | RNA splicing                                      | BiologicalProcess | 0.00 | [ALYREF, CCDC130, CLASRP, COQ7, CSTF2, DDX47, ESRP1, FAM98B, FOXE1, GEMIN2, GEMIN7, GEMIN8, GPKOW, HSPA1A, KHDRBS3, KHSRP, LGALS3, LSM5, MPHOSPH10, NOVA1, PABPN1, PCBP4, POLR2H, POLR2J, PPP1R8, PPWD1, PQBP1, RAVR1, RBM3, RBM7, RNF113A, RPS26, RRACG, SNRPB, SNRPF, SNRPN, SRFBP1, SRSF12, TELO2, TRPT1, TSEN2, TXNL4A, TXNL4B, U2AF1, U2AF1L4, U2AF1L5, WDR77, ZC3H10, ZNF326, ZRSR2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| GO:0009887 | animal organ morphogenesis                        | BiologicalProcess | 0.00 | [ACVRL1, ADM, ALDH1A2, ALPL, ALX1, ALX4, ANKRD1, ANXA6, AREG, ARHGEF19, ARID5B, ARL4D, ARL6, ATP6V1B1, ATRNL1, AXIN2, BBS5, BCL11B, BCL2, BRAF, CCL2, CDON, CEMP1, CFH, CHAD, CHRNA9, CITED2, CNRIP1, COL11A2, COL12A1, COL13A1, COL1A1, COL5A1, COL6A1, CTHRC1, CTNNA2, CTSH, CYP27B1, DAAM1, DACT1, DGCR6L, DKK1, DLC1, DLEC1, DLL1, DLX1, DLX2, DNAH11, DSCAML1, DSP, EDA, EDAR, EFNA1, EREG, EYA1, FGFR2, FGFR3, FGL1, FLRT2, FOXA1, FOXD1, FOXE1, FOXF2, FOXN4, FOXP2, FRS2, FST, FUZ, FZD5, FZD9, GATA2, GATA3, GATA5, GATA6, GATD3A, GCNT1, GLI1, GLI2, GLI3, GNGT1, GPC4, GPC6, GREB1L, GREM1, GREM2, GRHL3, GSC, HAS2, HES1, HEY1, HHIP, HLX, HNF1A, HOXA1, HOXA5, HOXA6, HOXB13, HOXB2, HOXB3, HOXB5, HOXB6, HOXB7, HOXB8, HOXB9, HOXC8, HOXC9, HOXD10, HOXD13, HOXD9, HSPG2, HYAL1, IFT52, IL7, ILK, INHBA, ITGAX, KDM5B, KLHL3, LAMB4, LEFTY1, LFNG, LHX4, LHX8, LHX9, LRIG1, LRP2, LTBP2, MAGI2, MATN2, MATN3, MEGF9, MEI51, MESP1, MFSO2A, MKS1, MMP16, MMP25, MSX2, MYO3A, MYO7A, MYOM1, NANOS3, NEK8, NKD1, NKX2-1, NKX2-3, NKX2-5, NKX3-2, NKX6-1, NOG, NPHF3, NPHF3-ACAD11, NR2E3, NR4A3, NRL, OLFM1, OSR2, OTX1, PAX2, PAX7, PAX8, PAX9, PBX2, PBX4, PDZD7, PEX7, PHLDA2, PITX2, PKP2, PLAG1, POU4F3, PPARA, PPP1R13L, PRDM1, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, PTCD2, PTCH1, RAB33B, ROGD1, ROR2, RPGRIP1, RS1, RSPO3, RUNX2, RXRA, RYR1, SALL1, SAPCD2, SATB2, SCN5A, SDK2, SEMA6A, SETDB2, SFRP1, SHH, SHROOM2, SIX4, SLC24A4, SLC39A3, SLC40A1, SLC4A10, SLIT1, SLIT2, SLIT3, SLITRK6, SMOX, SMPD3, SNAI1, SNX10, SOX17, SOX4, SOX5, SOX6, SOX9, SPEF2, SPRY1, STC1, STK19, STK40, STOX1, SULF2, TBX20, TBX3, TBX6, TCF7, TGFA, TGFβ3, THBS3, THY1, TIAM1, TLE2, TMEFF2, TNC, TP53, TPRN, TRAF6, TSPAN12, TWIST1, USH2A, VANGL2, VDR, WHRN, WNT11, WNT9A, ZNF22, ZNF335]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GO:0010608 | posttranscriptional regulation of gene expression | BiologicalProcess | 0.00 | [A1CF, ACE, AIRE, AXIN2, BANK1, C8orf88, CACNG7, CCL5, CNOT3, DCP2, DDX49, DIO2, DNAJC1, DNAJC3, DPH1, DXO, EEFSEC, EFNA1, EIF1AX, EIF3CL, EIF6, ELOF1, ENC1, EXOSC1, FASTKD3, GRB7, GTPBP2, H4C12, HSPA1A, INPP5E, KBTBD8, KHSRP, MALSU1, MATR3, MTIF3, NANOS1, NANOS3, NCK1, NIBAN1, NSUN3, PCBP4, PCIF1, PDE12, PER2, PIWIL4, POLR2H, POLR2J, POU5F1, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, PSTK, PUS10, RBM3, RMND1, RNASEL, RXRA, SARNP, SCGB1A1, SOX4, TNRC6A, TNRC6C, TOB1, TP53, TRDMT1, TRUB2, TSFM, UCN, ZC3H10, ZCCHC4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| GO:0016071 | mRNA metabolic process                            | BiologicalProcess | 0.00 | [A1CF, ALYREF, AURKAIP1, AXIN2, CACNG7, CBLL1, CLASRP, CNOT3, CSTF2, DCP2, DDX47, DXO, ERCC2, EREG, ESRP1, EXOSC1, FASTKD3, FOXE1, GEMIN2, GEMIN7, GEMIN8, GPKOW, GTF2H2, GTF2H4, GTPBP2, HSPA1A, KHDRBS3, KHSRP, LGALS3, LSM5, MRPL23, MTPAP, NANOS1, NANOS3, NOVA1, NT5C3B, PABPN1, PAN2, PAPOLG, PCBP4, PCIF1, PDE12, PELO, PNLDCC1, POLR2H, POLR2J, PPP1R8, PPWD1, PQBP1, PRR5L, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, RBM7, RDH14, RNASEL, RNF113A, RNGT1, RPL36A, RPL9, RRP22, RPS10, RPS26, RPS28, SARNP, SCAF4, SCGB1A1, SLBP, SMG8, SNRPB, SNRPF, SNRPN, SRFBP1, SRSF12, SUPT4H1, TNRC6A, TNRC6C, TOB1, TP53, TRMT61A, TRMT61B, TRUB2, TSEN2, TUT1, TXNL4A, TXNL4B, U2AF1, U2AF1L4, U2AF1L5, WDR77, ZC3H10, ZC3H1A, ZNF326, ZRSR2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| GO:0002253 | activation of immune response                     | BiologicalProcess | 0.00 | [AKR1C1, BAIAP2, BCL2, BRAF, BTN3A1, BTN3A3, BTNL9, C2, C4A, C4BPA, C5, C7, CD22, CD38, CD47, CFD, CFH, ELMO1, ELOF1, FOXP1, FYB1, GATA3, GPLD1, GRAP2, HLA-DRA, ICAM3, IFI16, LGALS3, MALT1, MATR3, MICB, MUC1, MUC16, MUC20, MUC3A, MUC5AC, MUC5B, NCK1, NFKBIZ, NR4A3, PLA2G6, PLCL2, PQBP1, PRKCH, PRNP, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, PTPRC, PYCARD, RBM14, RELB, RFTN1, RNF31, SH2B2, SUSP4, TAB3, THY1, TRAF6, UXT, VAV3, VTN, WIPF1, WIPF3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| GO:0043043 | peptide biosynthetic process                      | BiologicalProcess | 0.00 | [AIRE, ASMT, AURKAIP1, BANK1, BDH2, C8orf88, CARN1, CCL5, CHAC1, CHAC2, CNOT3, DIO2, DMD, DNAJC1, DNAJC3, DPH1, EEF1E1, EEFSEC, EFNA1, EIF1AX, EIF3CL, EIF6, ELOF1, ENC1, FASTKD3, FTSJ1, GGCT, GGT5, GRB7, GTPBP2, HSPA14, IGHMBP2, INPP5E, KBTBD8, KHSRP, MALSU1, MATR3, MRPL1, MRPL12, MRPL14, MRPL18, MRPL2, MRPL23, MRPL27, MRPL28, MRPL30, MRPL33, MRPL38, MRPL49, MRPL50, MRPL53, MRPL54, MRPL57, MTIF3, NGAMT1, NANOS1, NANOS3, NCK1, NDRG1, NDUFA7, NIBAN1, NSUN3, OPLAH, PARS2, PCIF1, PCSK1, PCSK5, PDF, PER2, PIWIL4, PRNP, PSTK, RBM3, RMND1, RPL36A, RPL39L, RPL9, RPS10, RPS26, RPS28, RXRA, SARNP, SOX4, TMA7, TNRC6A, TNRC6C, TOB1, TRUB2, TSFM, UCN, WARS2, ZCCHC4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| GO:0006412 | translation                                       | BiologicalProcess | 0.00 | [AIRE, ASMT, AURKAIP1, BANK1, C8orf88, CCL5, CNOT3, DIO2, DNAJC1, DNAJC3, DPH1, EEF1E1, EEFSEC, EFNA1, EIF1AX, EIF3CL, EIF6, ELOF1, ENC1, FASTKD3, FTSJ1, GGT5, GRB7, GTPBP2, HSPA14, IGHMBP2, INPP5E, KBTBD8, KHSRP, MALSU1, MATR3, MRPL1, MRPL12, MRPL18, MRPL2, MRPL23, MRPL27, MRPL28, MRPL30, MRPL33, MRPL38, MRPL39, MRPL49, MRPL50, MRPL53, MRPL54, MRPL57, MTIF3, NGAMT1, NANOS1, NANOS3, NCK1, NDRG1, NDUFA7, NIBAN1, NSUN3, PARS2, PCIF1, PDF, PER2, PIWIL4, PSTK, RBM3, RMND1, RPL36A, RPL39L, RPL9, RPS10, RPS26, RPS28, RXRA, SARNP, SOX4, TMA7, TNRC6A, TNRC6C, TOB1, TRUB2, TSFM, UCN, WARS2, ZCCHC4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| GO:0048666 | neuron development                                | BiologicalProcess | 0.01 | [ABITRAM, ACAP3, ADCY1, ADGRB1, ADM, AGER, ANK3, ANKRD1, APBB1, APOE, AREG, ARHGAP33, ARHGAP44, ARX, ATF5, ATP7A, AUTS2, BAIAP2, BCL11A, BCL11B, BCL2, BLOC1S3, BLOC1S4, BLOC1S5, BRAF, BTBD8, C1D, C1QL1, C21orf91, CACNG7, CAMSAP3, CCK, CD38, CDH4, CHRFA7A, CHRNA7, CNTN1, CRMP1, CTHRC1, CTNNA2, CTNND2, CXCR4, CXXC1, CDCD2, DCLK1, DGKG, DISC1, DKK1, DMD, DNAAF3, DNM2, DNM3, DOCK7, DOK5, DOK6, DPYSL3, DRD1, DSCAML1, EFNA1, EFNA3, EFNA4, EFNB1, ENC1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EXT1, FBXL15, FBXW8, FGFR2, FKBPL, FLRT2, FLRT3, FNI, FOXD1, FRS2, FRY, FSTL4, FZD9, GAB2, GAS7, GATA2, GATA3, GATD3A, GFRA1, GJA1, GLI2, GLI3, GNGT1, GORASP1, GPC2, GRB7, GRIN1, GRIP1, HES1, HOXD10, HOXD9, HTRA2, ILK, ITGA1, ITGA4, ITPKA, KIF1A, KIF5A, KIRREL3, KLF4, KLF7, L1CAM, LHX4, LHX6, LHX8, LHX9, LRIG2, LRP1, LRP2, LYPLA2, MAGI2, MANF, MAP2, MAPT, MATN2, MFSO2A, MICALL1, MKS1, MNX1, MOB2, MYCL, MYO7A, MYPN, NCDN, NCK1, NDNF, NEFL, NGEF, NKX2-1, NKX6-1, NLGN1, NME2, NOG, NPTX1, NR4A2, NR4A3, NRCAM, NRK, NRL, NRN1, NRXN3, NTRK3, NYAP1, OLFM1, OPHN1, PAX2, PCDHA4, PDZD7, PHACTR1, PLK2, PLXNA3, PLXNB3, POU4F3, PPP1R9A, PQBP1, PRKCK, PRKD1, PSPN, PTCH1, PTK6, PTPN9, RAB3A, RAP1GAP, RAP1GAP2, RAP2A, RET, RIMS2, ROR2, RTN4RL1, RTN4RL2, SDCC2, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SERPIN1, SFRP1, SHC3, SHH, SIPA1L1, SLC1A3, SLC4A10, SLCO1B1, SLIT1, SLIT2, SLIT3, SLITRK3, SLITRK6, SMOX, SNAP25, SNAPIN, SPAST, SPOCK1, SPRY3, SPTB, SPTBN2, SPTBN4, SRCIN1, SS18L2, STK19, STMN3, STMN4, STXBP1, SYT17, SYT3, TBC1D23, TBC1D24, TBX6, TENM1, THY1, TIAM1, TIAM2, TIMP1, TMC1, TMEFF2, TNC, TNFRSF12A, TNK1, TPRN, TRAK2, TRAPPC4, TRIM46, TRPV2, TSPO, UCN, UNC5D, VAMP7, VANGL2, VASH2, WHRN, WNT3, XK, ZFYVE27, ZMYND8, ZNF335, ZNF804A]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| GO:0031175 | neuron projection development                     | BiologicalProcess | 0.01 | [ABITRAM, ACAP3, ADCY1, ADGRB1, ADM, AGER, ANK3, ANKRD1, APBB1, APOE, AREG, ARHGAP33, ARHGAP44, ARX, ATP7A, BAIAP2, BCL11A, BCL11B, BCL2, BLOC1S3, BLOC1S4, BLOC1S5, BRAF, BTBD8, C1D, C21orf91, CACNG7, CAMSAP3, CCK, CD38, CDH4, CHRFA7A, CHRNA7, CNTN1, CRMP1, CTHRC1, CTNNA2, CTNND2, CXCR4, CXXC1, CDCD2, DCLK1, DISC1, DKK1, DMD, DNAAF3, DNM2, DNM3, DOCK7, DOK5, DOK6, DPYSL3, DSCAML1, EFNA1, EFNA3, EFNA4, EFNB1, ENC1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EXT1, FBXL15, FBXW8, FGFR2, FKBPL, FLRT2, FLRT3, FNI, FOXD1, FRS2, FRY, FSTL4, FZD9, GAB2, GAS7, GATA3, GATD3A, GFRA1, GJA1, GLI2, GLI3, GORASP1, GPC2, GRB7, GRIN1, GRIP1, HES1, ILK, ITGA1, ITGA4, ITPKA, KIF1A, KIF5A, KIRREL3, KLF4, KLF7, L1CAM, LHX4, LHX9, LRIG2, LRP1, LRP2, LYPLA2, MAGI2, MANF, MAP2, MAPT, MATN2, MFSO2A, MICALL1, MKS1, MNX1, MOB2, MYO7A, MYPN, NCDN, NCK1, NDNF, NEFL, NGEF, NKX2-1, NKX6-1, NLGN1, NME2, NOG, NPTX1, NR4A2, NR4A3, NRCAM, NRK, NRN1, NRXN3, NTRK3, NYAP1, OLFM1, OPHN1, PAX2, PCDHA4, PDZD7, PHACTR1, PLK2, PLXNA3, PLXNB3, POU4F3, PPP1R9A, PQBP1, PRKCK, PRKD1, PSPN, PTCH1, PTK6, PTPN9, RAB3A, RAP1GAP, RAP1GAP2, RAP2A, RET, RIMS2, ROR2, RTN4RL1, RTN4RL2, SDCC2, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SERPIN1, SFRP1, SHC3, SHH, SIPA1L1, SLCO1B1, SLIT1, SLIT2, SLIT3, SLITRK3, SLITRK6, SMOX, SPAST, SPRY3, SPTB, SPTBN2, SPTBN4, SRCIN1, SS18L2, STMN3, STMN4, STXBP1, SYT17, SYT3, TBC1D23, TBC1D24, TBX6, THY1, TIAM1, TIAM2, TIMP1, TMEFF2, TNC, TNFRSF12A, TNK1, TPRN, TRAK2, TRAPPC4, TRIM46, TRPV2, TSPO, UCN, UNC5D, VAMP7, VANGL2, VASH2, WNT3, XK, ZFYVE27, ZMYND8, ZNF335, ZNF804A]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| GO:0061564 | axon development                                  | BiologicalProcess | 0.00 | [ADCY1, ADGRB1, ANK3, APBB1, APOE, ARX, AUTS2, BAIAP2, BCL11B, BCL2, BRAF, C1D, CCK, CDH4, CRMP1, CTNNA2, CXCR4, CXXC1, DCLK1, DISC1, DNAAF3, DNM2, DOCK7, DOK5, DOK6, DSCAML1, EFNA1, EFNA3, EFNA4, EFNB1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EXT1, FGFR2, FLRT2, FLRT3, FNI, FOXD1, FRS2, FSTL4, FZD9, GAB2, GATA3, GFRA1, GLI2, GLI3, GRB7, GRIN1, ILK, ITGA4, KIF5A, KLF4, KLF7, L1CAM, LHX4, LHX9, LRIG2, LRP1, LYPLA2, MAP2, MAPT, MATN2, MYPN, NEFL, NKX2-1, NKX6-1, NOG, NPTX1, NR4A2, NR4A3, NRCAM, NRXN3, NTRK3, OLFM1, OPHN1, PAX2, PCDHA4, PLXNA3, PLXNB3, POU4F3, PSPN, PTCH1, RAB3A, RAP1GAP, RET, RTN4RL1, RTN4RL2, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SHC3, SHH, SIPA1L1, SLIT1, SLIT2, SLIT3, SLITRK3, SLITRK4, SLITRK6, SMOX, SPAST, SPTB, SPTBN2, SPTBN4, STXBP1, THY1, TIAM1, TIAM2, TMEFF2, TNFRSF12A, TRAK2, TRIM46, TRPV2, TSPO, UCN, UNC5D, VAMP7, VANGL2, VASH2, WNT3, XK, ZFYVE27]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| GO:0007409 | axonogenesis                                      | BiologicalProcess | 0.00 | [ADCY1, ADGRB1, ANK3, APBB1, APOE, ARX, AUTS2, BAIAP2, BCL11B, BCL2, BRAF, C1D, CCK, CDH4, CRMP1, CTNNA2, CXCR4, CXXC1, DCLK1, DISC1, DNAAF3, DNM2, DOCK7, DOK5, DOK6, DSCAML1, EFNA1, EFNA3, EFNA4, EFNB1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EXT1, FGFR2, FLRT2, FLRT3, FNI, FOXD1, FRS2, FSTL4, FZD9, GAB2, GATA3, GFRA1, GLI2, GLI3, GRB7, GRIN1, ILK, ITGA4, KIF5A, KLF4, KLF7, L1CAM, LHX4, LHX9, LRIG2, LRP1, LYPLA2, MAP2, MAPT, MATN2, MYPN, NEFL, NKX2-1, NKX6-1, NOG, NPTX1, NR4A2, NR4A3, NRCAM, NRXN3, NTRK3, OLFM1, OPHN1, PAX2, PLXNA3, PLXNB3, POU4F3, PSPN, PTCH1, RAB3A, RAP1GAP, RET, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SHC3, SHH, SIPA1L1, SLIT1, SLIT2, SLIT3, SLITRK3, SLITRK4, SLITRK6, SMOX, SPAST, SPTB, SPTBN2, SPTBN4, STXBP1, THY1, TIAM1, TIAM2, TMEFF2, TNFRSF12A, TRAK2, TRIM46, TRPV2, UNC5D, VANGL2, WNT3, XK, ZFYVE27]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| GO:2000146 | negative regulation of cell motility              | BiologicalProcess | 0.00 | [ABCC8, ABHD6, ACVRL1, ADGRB1, ADORA1, ADTRP, APOE, APOH, ARHGDIB, ATP2B4, BCL2, BMERB1, BRAF, C1D, C5, CCDC125, CCL2, CITED2, CLDN3, CSNK2B, CYP1B1, DDT, DDTL, DLC1, DLEC1, DPYSL3, ENC1, FLCN, FRMD5, FUZ, GADD45A, GATA3, GJA1, GNRH1, GREM1, HMOX1, IGFBP3, IL27RA, ILK, KLF4, KRT16, LDLRAD4, LRP1, MACIR, MAGI2, MAP2K5, MIA3, MIF, MIFF, MMP28, NAV3, NKX2-1, NOG, PAD12, PIP5K1L, PLCB1, PLXNB3, RAP2A, RECK, SFRP1, SHH, SLIT2, SRFBP1, SRGAP2B, STC1, THY1, TIMP1, TMEFF2, TP53INP1, UXT, VASH1, WNT11, ZMYND8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| GO:0030336 | negative regulation of cell migration             | BiologicalProcess | 0.00 | [ABCC8, ABHD6, ACVRL1, ADGRB1, ADORA1, ADTRP, APOE, APOH, ARHGDIB, ATP2B4, BCL2, BMERB1, BRAF, C1D, C5, CCL2, CITED2, CLDN3, CSNK2B, CYP1B1, DDT, DDTL, DLC1, DLEC1, DPYSL3, ENC1, FLCN, FUZ, GADD45A, GJA1, GNRH1, GREM1, HMOX1, IGFBP3, IL27RA, ILK, KLF4, KRT16, LDLRAD4, LRP1, MACIR, MAGI2, MAP2K5, MIA3, MIF, MIFF, MMP28, NAV3, NKX2-1, NOG, PAD12, PIP5K1L, PLCB1, PLXNB3, RAP2A, RECK, SFRP1, SHH, SLIT2, SRFBP1, SRGAP2B, STC1, THY1, TIMP1, TMEFF2, TP53INP1, UXT, VASH1, WNT11, ZMYND8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| GO:0022008 | neurogenesis                                      | BiologicalProcess | 0.00 | [ABCA2, ABCC8, ABITRAM, ACAP3, ADAM22, ADCY1, ADGRB1, ADM, AGER, ALDH1A2, ANK3, ANKRD1, APBB1, APOE, AREG, ARHGAP33, ARHGAP44, ARX, ATF5, ATP2B4, ATP7A, AUTS2, BAIAP2, BCHE, BCL11A, BCL11B, BCL2, BCL6, BEND6, BHLHE41, BLOC1S3, BLOC1S4, BLOC1S5, BMERB1, BRAF, BRINP3, BTBD8, C1D, C1QL1, C21orf91, CACNG7, CAMSAP3, CASZ1, CCK, CCL2, CD38, CDH4, CDK5R2, CDK5RAP3, CDON, CEP120, CHAC1, CHD5, CHRFA7A, CHRNA7, CNTN1, CRMP1, CTHRC1, CTNNA2, CTNND2, CXCR4, CXXC1, CDCD2, DCLK1, DDIT4, DGKG, DISC1, DKK1, DLL1, DLX1, DLX2, DMD, DMRTA2, DNAAF3, DNAAF4, DNER, DNM2, DNM3, DOCK7, DOK5, DOK6, DPYSL3, DRD1, DSCAML1, EFNA1, EFNA3, EFNA4, EFNB1, ENC1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|            |                                                                    |                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------|--------------------------------------------------------------------|-------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GO:0030182 | neuron differentiation                                             | BiologicalProcess | 0.00 | [ABITRAM, ACAP3, ADCY1, ADGRB1, ADM, AGER, ALDH1A2, ANK3, ANKRD1, APBB1, APOE, AREG, ARHGAP33, ARHGAP44, ARX, ATF5, ATP2B4, ATP7A, AUTS2, BAIAP2, BCL11A, BCL11B, BCL2, BCL6, BEND6, BLOC1S3, BLOC1S4, BLOC1S5, BRAF, BRINP3, BTBD8, C1D, C1QL1, C21orf91, CACNG7, CAMSAP3, CASZ1, CCK, CD38, CDH4, CDK5RAP3, CDON, CHD5, CHRFA7A, CHRNA7, CNTN1, CRMP1, CTHRC1, CTNNA2, CTNND2, CXCR4, CXXC1, DCDC2, DCLK1, DDIT4, DGKG, DISC1, DKK1, DLL1, DLX1, DLX2, DMD, DMRTA2, DNAAF3, DNM2, DNM3, DOCK7, DOK5, DOK6, DPYSL3, DRD1, DSCAML1, EFNA1, EFNA3, EFNA4, EFNB1, ENC1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EPOP, ERCC2, ESRP1, EXT1, EYA1, FBXL15, FBXW8, FGFR2, FKBPL, FLRT2, FLRT3, FN1, FOXA1, FOXD1, FOXN4, FR52, FRY, FSTL4, FUOM, FZD5, FZD9, GAB2, GAS7, GATA2, GATA3, GATD3A, GBA2, GFRA1, GJA1, GLI2, GLI3, GNGT1, GORASP1, GPC2, GRB7, GRIN1, GRIP1, HDAC9, HES1, HEY1, HOXC8, HOXD1, HOXD10, HOXD9, HTRA2, ILK, INHBA, ITGA1, ITGA4, ITPKA, KDM4C, KIF1A, KIF5A, KIRREL3, KLF4, KLF7, L1CAM, LH4, LHX6, LHX8, LHX9, LRIG2, LRP1, LRP2, LYPLA2, MAGI2, MANF, MAP2, MAPT, MATN2, MGDGA1, MEIS1, MFSD2A, MICALL1, MKS1, MNX1, MOB2, MYCL, MYO7A, MYPN, NANOS1, NAP1L2, NCDN, NCK1, NDNF, NEFL, NSEF, NKD1, NKX2-1, NKX2-5, NKX6-1, NLGN1, NME2, NOG, NPTX1, NR2E3, NR2F6, NR4A2, NR4A3, NRCAM, NRK, NRL, NRN1, NRXN3, NTRK3, NYAP1, OLFM1, OPHN1, PAX2, PAX7, PBX2, PBX4, PCDHA4, PCSK9, PDZD7, PHACTR1, PITX2, PLK2, PLXNA3, PLXNB3, POU4F3, PPP1R9A, PQBP1, PRDM1, PRKCZ, PRKD1, PSPN, PTCH1, PTK6, PTPN9, RAB3A, RAP1GAP, RAP1GAP2, RAP2A, RET, RIMS2, ROR2, RPRGRI1, RTN4RL1, RTN4RL2, RUNX2, SALL1, SATB2, SCYL3, SDC2, SDK2, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SERPINI1, SFRP1, SH3GL3, SHC3, SHH, SIPA1L1, SLC1A3, SLC4A10, SLC01B1, SLIT1, SLIT2, SLIT3, SLITRK3, SLITRK4, SLITRK6, SMOX, SNAP25, SNAPIN, SNPH, SOCS2, SOX2, SOX4, SOX9, SPAST, SPOCK1, SPRY3, SPTB, SPTBN2, SPTBN4, SRCIN1, SS18L2, STK19, STMN3, STMN4, STXBP1, SYT17, SYT3, TBC1D23, TBC1D24, TBX20, TBX6, TENM1, THY1, TIAM1, TIAM2, TIMP1, TMC1, TMEFF2, TNC, TNFRSF12A, TNIK, TPRN, TRAK2, TRAPPC4, TRIM46, TRPV2, TSPO, TTL1, UCN, UNC5D, USH2A, VAMP7, VANGL2, VASH2, WHRN, WNT11, WNT3, WNT9A, XK, ZC4H2, ZFYVE27, ZMYND8, ZNF335, ZNF804A]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| GO:0002757 | immune response-activating signal transduction                     | BiologicalProcess | 0.00 | [BAIAP2, BCL2, BRAF, BTN3A1, BTN3A3, BTNL9, CD22, CD38, CD47, ELMO1, ELOF1, FOXP1, FYB1, GATA3, GPLD1, GRAP2, HLA-DRA, ICAM3, LGALS3, MALT1, MICB, MUC1, MUC16, MUC20, MUC3A, MUC5AC, MUC5B, NCK1, NFKB1Z, NR4A3, PLA2G6, PLCL2, PRKCH, PRNP, PSM1A, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, PTPRC, RELB, RETN1, RNF31, SH2B2, TAB3, THY1, TRAF6, UXT, VAV3, WIPF1, WIPF3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| GO:0002768 | immune response-regulating cell surface receptor signaling pathway | BiologicalProcess | 0.00 | [BAIAP2, BCL2, BRAF, BTN3A1, BTN3A3, BTNL9, CD22, CD24, CD38, CD40, CD47, ELMO1, ELOF1, FOS, FOXP1, FYB1, GAB2, GATA3, GPLD1, GRAP2, HLA-DRA, ICAM3, LGALS3, MALT1, MAP2K4, MAP3K1, MAPK10, MICB, MUC1, MUC16, MUC20, MUC3A, MUC5AC, MUC5B, NCK1, NFATC1, NFKB1Z, NR4A3, OSCAR, PLA2G6, PLCL2, PPP3R1, PRKCH, PRNP, PSM1A, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, PTPRC, RELB, RFTN1, RNF31, SH2B2, TAB3, THY1, TRAF6, UXT, VAV3, WIPF1, WIPF3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| GO:0002429 | immune response-activating cell surface receptor signaling pathway | BiologicalProcess | 0.00 | [BAIAP2, BCL2, BRAF, BTN3A1, BTN3A3, BTNL9, CD22, CD38, CD47, ELMO1, ELOF1, FOXP1, FYB1, GATA3, GPLD1, GRAP2, HLA-DRA, ICAM3, LGALS3, MALT1, MICB, MUC1, MUC20, MUC3A, MUC5AC, MUC5B, NCK1, NFKB1Z, NR4A3, PLA2G6, PLCL2, PRKCH, PRNP, PSM1A, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, PTPRC, RELB, RFTN1, RNF31, SH2B2, TAB3, THY1, TRAF6, UXT, VAV3, WIPF1, WIPF3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| GO:0048858 | cell projection morphogenesis                                      | BiologicalProcess | 0.00 | [ABITRAM, ADCY1, ADGRB1, ANK3, APBB1, APOE, ARHGAP33, ARHGAP44, ARX, ATP7A, AUTS2, BAIAP2, BCL11A, BCL11B, BCL2, BRAF, C1D, CACNG7, CCK, CDH4, CHRFA7A, CHRNA7, CRMP1, CTNNA2, CTNND2, CXCR4, CXXC1, DCDC2, DCLK1, DISC1, DMD, DNAAF3, DNM2, DNM3, DOCK7, DOK5, DOK6, DSCAML1, EFNA1, EFNA3, EFNA4, EFNB1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EXT1, FBXW8, FGFR2, FLRT2, FLRT3, FN1, FOXD1, FR52, FSTL4, FZD9, GAB2, GAS7, GATA3, GFRA1, GJA1, GLI2, GLI3, GORASP1, GRB7, GRIN1, GRIP1, ILK, ITGA1, ITGA4, ITPKA, KIF1A, KIF5A, KIRREL3, KLF7, L1CAM, LHX4, LHX9, LRP1, LRP2, LYPLA2, MAP2, MAPT, MATN2, MFSD2A, MNX1, MYPN, NEFL, NSEF, NKX2-1, NKX6-1, NLGN1, NOG, NPTX1, NR4A2, NR4A3, NRCAM, NRK, NRN1, NRXN3, NTRK3, NYAP1, OLFM1, OPHN1, PAX2, PHACTR1, PLXNA3, PLXNB3, POU4F3, PPP1R9A, PQBP1, PRKCZ, PSPN, PTCH1, RAB3A, RAP1GAP, RAP2A, RET, RIMS2, SDC2, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SHC3, SHH, SIPA1L1, SLIT1, SLIT2, SLIT3, SLITRK3, SLITRK4, SLITRK6, SMOX, SPAST, SPTB, SPTBN2, SPTBN4, SRCIN1, SS18L2, STXBP1, SYT17, SYT3, THY1, TIAM1, TIAM2, TMEFF2, TNFRSF12A, TNIK, TRAK2, TRIM46, TRPV2, UNC5D, VAMP7, VANGL2, WNT3, XK, ZFYVE27, ZNF335]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| GO:0120039 | plasma membrane bounded cell projection morphogenesis              | BiologicalProcess | 0.00 | [ABITRAM, ADCY1, ADGRB1, ANK3, APBB1, APOE, ARHGAP33, ARHGAP44, ARX, ATP7A, AUTS2, BAIAP2, BCL11A, BCL11B, BCL2, BRAF, C1D, CACNG7, CCK, CDH4, CHRFA7A, CHRNA7, CRMP1, CTNNA2, CTNND2, CXCR4, CXXC1, DCDC2, DCLK1, DISC1, DMD, DNAAF3, DNM2, DNM3, DOCK7, DOK5, DOK6, DSCAML1, EFNA1, EFNA3, EFNA4, EFNB1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EXT1, FBXW8, FGFR2, FLRT2, FLRT3, FN1, FOXD1, FR52, FSTL4, FZD9, GAB2, GAS7, GATA3, GFRA1, GJA1, GLI2, GLI3, GORASP1, GRB7, GRIN1, GRIP1, ILK, ITGA1, ITGA4, ITPKA, KIF1A, KIF5A, KIRREL3, KLF7, L1CAM, LHX4, LHX9, LRP1, LRP2, LYPLA2, MAP2, MAPT, MATN2, MFSD2A, MNX1, MYPN, NEFL, NSEF, NKX2-1, NKX6-1, NLGN1, NOG, NPTX1, NR4A2, NR4A3, NRCAM, NRK, NRN1, NRXN3, NTRK3, NYAP1, OLFM1, OPHN1, PAX2, PHACTR1, PLXNA3, PLXNB3, POU4F3, PPP1R9A, PQBP1, PRKCZ, PSPN, PTCH1, RAB3A, RAP1GAP, RAP2A, RET, RIMS2, SDC2, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SHC3, SHH, SIPA1L1, SLIT1, SLIT2, SLIT3, SLITRK3, SLITRK4, SLITRK6, SMOX, SPAST, SPTB, SPTBN2, SPTBN4, SRCIN1, SS18L2, STXBP1, SYT17, SYT3, THY1, TIAM1, TIAM2, TMEFF2, TNFRSF12A, TNIK, TRAK2, TRIM46, TRPV2, UNC5D, VAMP7, VANGL2, WNT3, XK, ZFYVE27, ZNF335]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| GO:0048667 | cell morphogenesis involved in neuron differentiation              | BiologicalProcess | 0.00 | [ABITRAM, ADCY1, ADGRB1, ANK3, APBB1, APOE, ARHGAP33, ARHGAP44, ARX, ATP7A, AUTS2, BAIAP2, BCL11A, BCL11B, BCL2, BRAF, C1D, CCK, CDH4, CHRFA7A, CHRNA7, CRMP1, CTNNA2, CTNND2, CXCR4, CXXC1, DCDC2, DCLK1, DISC1, DMD, DNAAF3, DNM2, DNM3, DOCK7, DOK5, DOK6, DSCAML1, EFNA1, EFNA3, EFNA4, EFNB1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EXT1, FBXW8, FGFR2, FLRT2, FLRT3, FN1, FOXD1, FR52, FSTL4, FZD9, GAB2, GAS7, GATA3, GFRA1, GJA1, GLI2, GLI3, GORASP1, GRB7, GRIN1, GRIP1, ILK, ITGA1, ITGA4, ITPKA, KIF1A, KIF5A, KIRREL3, KLF7, L1CAM, LHX4, LHX9, LRP1, LRP2, LYPLA2, MAP2, MAPT, MATN2, MFSD2A, MNX1, MYPN, NEFL, NSEF, NKX2-1, NKX6-1, NLGN1, NOG, NPTX1, NR4A2, NR4A3, NRCAM, NRK, NRN1, NRXN3, NTRK3, NYAP1, OLFM1, OPHN1, PAX2, PHACTR1, PLXNA3, PLXNB3, POU4F3, PPP1R9A, PQBP1, PRKCZ, PSPN, PTCH1, RAB3A, RAP1GAP, RAP2A, RET, RIMS2, SDC2, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SHC3, SHH, SIPA1L1, SLIT1, SLIT2, SLIT3, SLITRK3, SLITRK4, SLITRK6, SMOX, SPAST, SPTB, SPTBN2, SPTBN4, SRCIN1, SS18L2, STXBP1, SYT17, SYT3, THY1, TIAM1, TIAM2, TMEFF2, TNFRSF12A, TNIK, TPRN, TRAK2, TRIM46, TRPV2, UNC5D, VAMP7, VANGL2, WNT3, XK, ZFYVE27, ZNF335]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| GO:0048812 | neuron projection morphogenesis                                    | BiologicalProcess | 0.00 | [ABITRAM, ADCY1, ADGRB1, ANK3, APBB1, APOE, ARHGAP33, ARHGAP44, ARX, ATP7A, AUTS2, BAIAP2, BCL11A, BCL11B, BCL2, BRAF, C1D, CACNG7, CCK, CDH4, CHRFA7A, CHRNA7, CRMP1, CTNNA2, CTNND2, CXCR4, CXXC1, DCDC2, DCLK1, DISC1, DMD, DNAAF3, DNM2, DNM3, DOCK7, DOK5, DOK6, DSCAML1, EFNA1, EFNA3, EFNA4, EFNB1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EXT1, FBXW8, FGFR2, FLRT2, FLRT3, FN1, FOXD1, FR52, FSTL4, FZD9, GAB2, GAS7, GATA3, GFRA1, GJA1, GLI2, GLI3, GORASP1, GRB7, GRIN1, GRIP1, ILK, ITGA1, ITGA4, ITPKA, KIF1A, KIF5A, KIRREL3, KLF7, L1CAM, LHX4, LHX9, LRP1, LRP2, LYPLA2, MAP2, MAPT, MATN2, MFSD2A, MNX1, MYPN, NEFL, NSEF, NKX2-1, NKX6-1, NLGN1, NOG, NPTX1, NR4A2, NR4A3, NRCAM, NRK, NRN1, NRXN3, NTRK3, NYAP1, OLFM1, OPHN1, PAX2, PHACTR1, PLXNA3, PLXNB3, POU4F3, PPP1R9A, PQBP1, PRKCZ, PSPN, PTCH1, RAB3A, RAP1GAP, RAP2A, RET, RIMS2, SDC2, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SHC3, SHH, SIPA1L1, SLIT1, SLIT2, SLIT3, SLITRK3, SLITRK4, SLITRK6, SMOX, SPAST, SPTB, SPTBN2, SPTBN4, SRCIN1, SS18L2, STXBP1, SYT17, SYT3, THY1, TIAM1, TIAM2, TMEFF2, TNFRSF12A, TNIK, TRAK2, TRIM46, TRPV2, UNC5D, VAMP7, VANGL2, WNT3, XK, ZFYVE27, ZNF335]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| GO:0032774 | RNA biosynthetic process                                           | BiologicalProcess | 0.00 | [ABCA2, ABLIM3, ABLIM3, ACTR8, ACVR2A, ACVRL1, ADCY1, ADRB2, AFAP1L2, AGAP2, AGER, AHRR, AIRE, ALX1, ALX4, ALYREF, ANKRD1, ANKRD2, APBB1, APOE, AREG, ARHGEF10L, ARID3B, ARID5B, ARX, ATF3, ATF5, ATF7, ATP2B4, AURKAIP1, AUTS2, BACH2, BANP, BARX1, BCL11A, BCL11B, BCL2L12, BCL6, BCL9, BEND6, BEX2, BHLHE41, BLM, BRCA2, BRD3, BTN3A3, C11orf95, C1D, C1orf61, CA9, CARF, CASZ1, CAVINA, CBX7, CC2D1A, CCDC62, CCNE1, CD38, CD40, CDK14, CDK18, CDK5RAP3, CDKN1C, CDON, CENPV, CHD1, CHD3, CHD5, CIITA, CITED2, CITED4, CNOT3, COL1A1, COMMD1, CRAT, CREB3, CREB3L1, CREBRF, CREM, CRYAB, CSRN3P, CSTF2, CXXC1, CXXC5, CYP1A1, CYP1B1, CYP27B1, DACT1, DBP, DDN, DEDD, DEPCD1, DGKQ, DKK1, DLL1, DLX1, DLX2, DLX4, DMD, DMRTA1, DMRTA2, DNM2, DNPEP, DOT1L, DPF1, DUSP26, DUSP28, DXO, DYRK1B, EZF6, EAF2, EBF1, EBF2, EBF3, EBF4, ECM1, EDA, EDA2R, EFCAB7, EFNA1, ELK1, ELK2, ELOF1, EPC1, EPCAM, EPHA5, EPOP, ERCC2, EREG, ERLIN2, ESR2, ESRRG, ETV2, EYA1, EZH1, FANK1, FBLN5, FGFR2, FLCN, FOS, FOSL1, FOSL2, FOXA1, FOXA3, FOXD1, FOXD3, FOXD4L1, FOXE1, FOXF2, FOXN4, FOXP1, FOXP2, FOXN4, FST, FZD5, GADD45A, GAS7, GATA2, GATA3, GATA6, GATD3A, GLI1, GLI2, GLI3, GLMP, GREM1, GRHL3, GRIN1, GRIP1, GSC, GTF2E1, GTF2H2, GTF2H2C, GTF2H4, H1-10, H1-5, H2AC15, H2AZ1, H4C12, HAS3, HDAC9, HES1, HES2, HEXIM2, HEY1, HIGD1A, HINFP, HIVEP3, HLX, HMGN5, HMOX1, HMX1, HNF1A, HNF4A, HOXA1, HOXA10, HOXA13, HOXA5, HOXA6, HOXB3, HOXB8, HOXB8, HOXB8, HOXB8, HOXC6, HOXC8, HOXC9, HOXD1, HOXD10, HOXD13, HOXD9, HR, HSBP1L1, HSF2BP, HSF4, HSPA1A, ICAM1, IFI16, IFI27, IGBP1, IGHMBP2, IGSF1, IKZF4, IL11, IL18R1, IL1RAP, ILK, ING1, ING4, INHBA, INTS12, INTS5, IRAK2, IRF1, IRF4, IRF5, JAZF1, KAT2B, KAT5, KAT6B, KCNH4, KDM4C, KDM5B, KDM7A, KHSRP, KLF16, KLF2, KLF4, KLF7, KLF9, KLRG1, KRBA1, KRBA2, KTI12, L3MBTL1, LAGE3, LAMTOR5, LANCL2, LBHD1, LBX2, LEFTY1, LGALS9, LHX4, LHX6, LHX8, LHX9, LIMS1, LIN37, LMO2, LOXL3, LRIF1, MAD2L2, MAFK, MAGI1, MAK, MALT1, MAML3, MAMLD1, MAP2K5, MAP3K12, MAPK10, MAPK11, MAPRE3, MBTPS2, MCIDAS, MCPH1, MED16, MED17, MED18, MED23, MED26, MED30, MEF2B, MEIS1, MEPC, MESP1, MGAM, MIA3, MID2, MIER2, MIER3, MITF, MLXIPL, MN1, MNX1, MOSPD1, MRPL12, MRPL23, MSANTD1, MSX2, MTRSE1, MTURN, MUC1, MXD3, MXI1, MYCBP, MYCL, MYPOP, NANOS1, NCK1, NDRG1, NEK4, NFATC1, NFIX, NFKB1B, NFKB1Z, NFYA, NHS, NKX2-1, NKX2-3, NKX2-5, NKX3-1, NKX3-2, NKX6-1, NLRC3, NME2, NOD2, NOG, NPPA, NR1D1, NR1H4, NR2E3, NR2F6, NR3C2, NR4A1, NR4A2, NR4A3, NRARP, NRL, NTRK3, NUPR1, OSR2, OTX1, OVOL3, P2RY1, PABPN1, PAD12, PAGR1, PAX2, PAX7, PAX8, PAX9, PBX2, PBX4, PBXIP1, PCBD2, PCGF1, PCGF6, PELI1, PELP1, PER2, PER3, PERM1, PEX14, PGBD1, PHF1, PHF21A, PITX1, PITX2, PKIA, PKMYT1, PKNOX1, PLAC8, PLAG1, PLCB1, POLA1, POLR1C, POLR2B, POLR3G, POLR3K, POU4F3, POU5F1, POU5F2, POU6F1, PPARA, PPM1D, PPP1R13L, PPP3R1, PQBP1, PRDM1, PRDM11, PRDM13, PRDM5, PRDM8, PRIM2, PRIMPOL, PRKCH, PRKCZ, PRKD1, PRNP, PRRX2, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSMC3IP, PSMD12, PSMD9, PSTK, PTCH1, PTP4A3, PTPN18, PXDN, PYCARD, RBM14, RCOR2, RELB, RET, RGM6, RHEBL1, RIPK4, RITA1, RNASEL, RNF31, RNF8, RNGTT, ROR2, RPAP1, RPRD2, RPTOR, RRAGC, RRM2, RRP8, RSF1, RTKN2, RUNX2, RWDD3, RXRA, SALL1, SALL2, SALL4, SAMD11, SARNP, SATB1, SATB2, SCAF4, SCGB1A1, SCMH1, SCML2, SDR16C5, SETDB2, SETSIP, SFR1, SFRP1, SFRP5, SH2D2A, SHH, SIGIRR, SIM2, SIX4, SLBP, SLC25A33, SLC40A1, SMARCB1, SMIM29, SMOX, SMYD3, SNAI1, SNAPC1, SNAPC5, SNCA, SNRBP, SNRPF, SOX17, SOX2, SOX21, SOX4, SOX5, SOX6, SOX7, SOX9, SP140L, SP8, SPAG8, SPHK1, SPIN3, SPIN4, SPOCD1, SRFBP1, SS18L2, SSBP2, SSBP4, STAT4, STAT5A, STK36, STOX1, SUMO4, SUPT3H, SUPT4H1, SUV39H1, TAB3, TADA2A, TAF6L, TAF8, TBX20, TBX3, TBX6, TCEA3, TCF19, TCF7, TDRD3, TEAD3, TENM1, TESC, TET1, TFAP2C, TFR2, TGFA, TGFBI1, TGFBI3, THAP11, THAP12, THAP6, THAP8, TIMP1, TLE2, TLR3, TMEM98, TOB1, TOX3, TP53, TP53INP1, TRAF1, TRAF6, TRAK2, TRAPPC2, TRIM13, TRIM22, TRIM29, TRIM4, TRIM45, TRIM66, TRPS1, TSC22D4, TSFM, TSHZ3, TSSK4, TWIST1, TWISTNB, TWNK, UBE21, UCN, UNC13D, USF3, UTP15, UXT, VDR, VGLL4, WDR43, WDR77, WDTCl, WNT11, YY2, ZBED3, ZBTB17, ZBTB2, ZBTB32, ZBTB34, ZBTB45, ZBTB46, ZBTB48, ZBTB49, ZC3H6, ZFP37, ZFP41, ZFP92, ZFPL1, ZFX, ZKSCAN2, ZKSCAN3, ZKSCAN4, ZMYM5, ZMYM6, ZMYND8, ZNF10, ZNF112, ZNF121, ZNF134, ZNF138, ZNF14, ZNF165, ZNF169, ZNF17, ZNF174, ZNF175, ZNF182, ZNF184, ZNF189, ZNF19, ZNF2, ZNF202, ZNF210, ZNF212, ZNF22, ZNF222, ZNF225, ZNF229, ZNF23, ZNF230, ZNF232, ZNF233, ZNF235, ZNF239, ZNF248, ZNF25, ZNF250, ZNF254, ZNF266, ZNF280A, ZNF280B, ZNF285, ZNF286B, ZNF296, ZNF3, ZNF30, ZNF316, ZNF329, ZNF330, ZNF331, ZNF332, ZNF324B, ZNF326, ZNF329, ZNF333, ZNF335, ZNF33A, ZNF34, ZNF343, ZNF35, ZNF350, ZNF354C, ZNF37A, ZNF396, ZNF418, ZNF420, ZNF423, ZNF425, ZNF432, ZNF44, ZNF443, ZNF444] |
| GO:2001141 | regulation of RNA biosynthetic process                             | BiologicalProcess | 0.00 | [ABCA2, ABLIM3, ACTR8, ACVR2A, ACVRL1, ADCY1, ADRB2, AFAP1L2, AGAP2, AGER, AHRR, AIRE, ALX1, ALX4, ALYREF, ANKRD1, ANKRD2, APBB1, APOE, AREG, ARHGEF10L, ARID3B, ARID5B, ARX, ATF3, ATF5, ATF7, ATP2B4, AURKAIP1, AUTS2, BACH2, BANP, BARX1, BCL11A, BCL11B, BCL2L12, BCL6, BCL9, BEND6, BEX2, BHLHE41, BLM, BRCA2, BRD3, C11orf95, C1D, C1orf61, CA9, CARF, CASZ1, CAVINA, CBX7, CC2D1A, CCDC62, CCNE1, CD38, CD40, CDK14, CDK18, CDK5RAP3, CDKN1C, CDON, CENPV, CHD1, CHD3, CHD5, CIITA, CITED2, CITED4, CNOT3, COL1A1, COMMD1, CRAT, CREB3, CREB3L1, CREBRF, CREM, CRYAB, CSRN3P, CXXC1, CXXC5, CYP1A1, CYP1B1, CYP27B1, DACT1, DBP, DDN, DEDD, DEPCD1, DGKQ, DKK1, DLL1, DLX1, DLX2, DLX4, DMD, DMRTA1, DMRTA2, DNM2, DNPEP, DOT1L, DPF1, DUSP26, DUSP28, DXO, DYRK1B, EZF6, EAF2, EBF1, EBF2, EBF3, EBF4, ECM1, EDA, EDA2R, EFCAB7, EFNA1, EGLN3, EGR1, ELK1, ELOF1, EPC1, EPCAM, EPHA5, EPOP, ERCC2, EREG, ERLIN2, ESR2, ESRRG, ETV2, EYA1, EZH1, FANK1, FBLN5, FGFR2, FLCN, FOS, FOSL1, FOSL2, FOXA1, FOXA3, FOXD1, FOXD3, FOXD4L1, FOXE1, FOXF2, FOXN4, FOXP1, FOXP2, FOXN4, FST, FZD5, GADD45A, GAS7, GATA2, GATA3, GATA6, GATD3A, GLI1, GLI2, GLI3, GLMP, GREM1, GRHL3, GRIN1, GRIP1, GSC, GTF2E1, GTF2H2, GTF2H2C, GTF2H4, H1-10, H1-5, H2AC15, H2AZ1, H4C12, HAS3, HDAC9, HES1, HES2, HEXIM2, HEY1, HIGD1A, HINFP, HIVEP3, HLX, HMGN5, HMOX1, HMX1, HNF1A, HNF4A, HOXA1, HOXA10, HOXA13, HOXA5, HOXA6, HOXB3, HOXB8, HOXB8, HOXB8, HOXB8, HOXC6, HOXC8, HOXC9, HOXD1, HOXD10, HOXD13, HOXD9, HR, HSBP1L1, HSF4, HSPA1A, ICAM1, IFI16, IFI27, IGBP1, IGHMBP2, IGSF1, IKZF4, IL11, IL18R1, IL1RAP, ILK, ING1, ING4, INHBA, IRAK2, IRF1, IRF4, IRF5, JAZF1, KAT2B, KAT5, KAT6B, KCNH4, KDM5B, KDM7A, KHSRP, KLF16, KLF2, KLF4, KLF7, KLF9, KLRG1, KRBA1, KRBA2, KTI12, L3MBTL1, LAGE3, LAMTOR5, LANCL2, LBHD1, LBX2, LEFTY1, LGALS9, LHX4, LHX6, LHX8, LHX9, LIMS1, LIN37, LMO2, LOXL3, LRIF1, MAD2L2, MAFK, MAGI1, MAK, MALT1, MAML3, MAMLD1, MAP2K5, MAP3K12, MAPK10, MAPK11, MAPRE3, MBTPS2, MCIDAS, MCPH1, MED16, MED17, MED18, MED23, MED26, MED30, MEF2B, MEIS1, MEPC, MESP1, MGAM, MIA3, MID2, MIER2, MIER3, MITF, MLXIPL, MN1, MNX1, MOSPD1, MRPL12, MRPL23, MSANTD1, MSX2, MTRSE1, MTURN, MUC1, MXD3, MXI1, MYCBP, MYCL, MYPOP, NANOS1, NCK1, NEK4, NFATC1, NFIX, NFKB1B, NFKB1Z, NFYA, NHS, NKX2-1, NKX2-3, NKX2-5, NKX6-1, NLRC3, NME2, NOD2, NOG, NR1D1, NR1H4, NR2E3, NR2F6, NR3C2, NR4A1, NR4A2, NR4A3, NRARP, NRL, NTRK3, NUPR1, OSR2, OTX1, OVOL3, P2RY1, PADI2, PAGR1, PAX2, PAX7, PAX8, PAX9, PBX2, PBX4, PBXIP1, PCBD2, PCGF1, PCGF6, PELI1, PELP1, PER2, PER3, PERM1, PEX14, PGBD1, PHF1, PHF21A, PITX1, PITX2, PKIA, PKMYT1, PKNOX1, PLAC8, PLAG1, PLCB1, POLA1, POLR3G, POU3F3, POU4F3, POU5F1, POU5F2, POU6F1, PPARA, PPM1D, PPP1R13L, PPP3R1, PQBP1, PRDM1, PRDM11, PRDM13, PRDM5, PRDM8, PRIM2, PRIMPOL, PRKCH, PRKCZ, PRKD1, PRNP, PRRX2, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSMC3IP, PSMD12, PSMD9, PTCH1, PTP4A3, PXDN, PYCARD, RBM14, RCOR2, RELB, RET, RGM6, RHEBL1, RIPK4, RITA1, RNASEL, RNF31, RNF8, ROR2, RPTOR, RRM2, RRP8, RSF1, RTKN2, RUNX2, RWDD3, RXRA, SALL1, SALL2, SALL4, SAMD11, SARNP, SATB1, SATB2, SCAF4, SCGB1A1, SCMH1, SCML2, SDR16C5, SETDB2, SETSIP, SFR1, SFRP1, SFRP5, SH2D2A, SHH, SIGIRR, SIM2, SIX4, SLC40A1, SMARCB1, SMIM29, SMOX, SMYD3, SNAI1, SNCA, SOX17, SOX2, SOX21, SOX4, SOX5, SOX6, SOX7, SOX9, SP140L, SP8, SPAG8, SPHK1, SPIN3, SPIN4, SRFBP1, SS18L2, SSBP2, SSBP4, STAT4, STAT5A, STK36, STOX1, SUMO4, SUPT3H, SUPT4H1, SUV39H1, TAB3, TADA2A, TAF6L, TAF8, TBX20, TBX3, TBX6, TCEA3, TCF19, TCF7, TDRD3, TEAD3, TENM1, TESC, TET1, TFAP2C, TFR2, TGFA, TGFBI1, TGFBI3, THAP11, THAP12, THAP6, THAP8, TIMP1, TLE2, TLR3, TMEM98, TOB1, TOX3, TP53, TP53INP1, TRAF1, TRAF6, TRAK2, TRAPPC2, TRIM13, TRIM22, TRIM29, TRIM4, TRIM45, TRIM66, TRPS1, TSC22D4, TSFM, TSHZ3, TSSK4, TWIST1, UBE21, UCN, UNC13D, USF3, UTP15, UXT, VDR, VGLL4, WDR43, WDR77, WDTCl, WNT11, YY2, ZBED3, ZBTB17, ZBTB2, ZBTB32, ZBTB34, ZBTB45, ZBTB46, ZBTB48, ZBTB49, ZC3H6, ZFP37, ZFP41, ZFP92, ZFPL1, ZFX, ZKSCAN2, ZKSCAN3, ZKSCAN4, ZMYM5, ZMYM6, ZMYND8, ZNF10, ZNF112, ZNF121, ZNF134, ZNF138, ZNF14, ZNF165, ZNF169, ZNF17, ZNF174, ZNF175, ZNF182, ZNF184, ZNF189, ZNF19, ZNF2, ZNF202, ZNF210, ZNF212, ZNF22, ZNF222, ZNF225, ZNF229, ZNF23, ZNF230, ZNF232, ZNF233, ZNF235, ZNF239, ZNF248, ZNF25, ZNF250, ZNF254, ZNF256, ZNF266, ZNF280A, ZNF280B, ZNF285, ZNF286B, ZNF296, ZNF3, ZNF30, ZNF316, ZNF329, ZNF330, ZNF331, ZNF332, ZNF324B, ZNF326, ZNF329, ZNF333, ZNF335, ZNF33A, ZNF34, ZNF343, ZNF35, ZNF350, ZNF354C, ZNF37A, ZNF396, ZNF418, ZNF420, ZNF423, ZNF425, ZNF432, ZNF44, ZNF443, ZNF444]                                                                                                                                                                                                           |

|            |                                      |                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|--------------------------------------|-------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GO:0006351 | transcription, DNA-templated         | BiologicalProcess | 0.00 | [ABCA2, ABLIM2, ABLIM3, ACTR8, ACVR2A, ACVRL1, ADCY1, ADRB2, AFAP1L2, AGAP2, AGER, AHRR, AIRE, ALX1, ALX4, ALYREF, ANKRD1, ANKRD2, APBB1, APOE, AREG, ARHGEF10L, ARID3B, ARID5B, ARX, ATF3, ATF5, ATF7, ATP2B4, AUTS2, BACH2, BANP, BARX1, BCL11A, BCL11B, BCL2L12, BCL6, BCL9, BEX2, BHLHE41, BLM, BRCA2, BRD3, BTN3A3, C11orf95, C1D, C1orf61, CA9, CARF, CASZ1, CAVINA, CBX7, CC2D1A, CCDC62, CCNE1, CD38, CD40, CDK14, CDK18, CDK5RAP3, CDKN1C, CDON, CENPV, CHD1, CHD3, CHD5, CIITA, CITED2, CITED4, CNOT3, COL1A1, COMMD1, CRAT, CREB3, CREB3L1, CREBRF, CREM, CRYAB, CSRN3P3, CSTF2, CXXC1, CXXC5, CYP1A1, CYP1B1, CYP27B1, DACT1, DBP, DDN, DEDD, DEPDCC1, DGQK, DKK1, DLL1, DLX1, DLX2, DLX4, DMD, DMRTA1, DMRTA2, DNMT2, DNPEP, DOT1L, DPFI, DUSP26, DUSP28, DXO, DYRK1B, E2F6, EAF2, EBF1, EBF2, EBF3, EBF4, ECM1, EDA, EDA2R, EFCAB7, EFNA1, EGLN3, EGR1, ELK1, ELL2, ELOF1, EPC1, EPCAM, EPHA5, EPOP, ERCC2, EREG, ERLIN2, ESR2, ESRRG, ETV2, EYA1, EZH1, FANK1, FBLN5, FGFR2, FLCN, FOS, FOSL1, FOSL2, FOXA1, FOXA3, FOXD1, FOXD3, FOXD4L1, FOXE1, FOXF2, FOXN4, FOXPI1, FOXPP2, FOXPA, FST, FZD5, GADD45A, GAS7, GATA2, GATA3, GATA5, GATA6, GATD3A, GLI1, GLI2, GLI3, GLMP, GREM1, GRHL3, GRIN1, GRIP1, GSC, GTF2E1, GTF2H2, GTF2H2C, GTF2H4, H1-10, H1-5, H2AC15, H2AZ1, H4C12, HAS3, HDAC9, HES1, HES2, HEXIM2, HEY1, HGDI1A, HINFP, HIVEP3, HLX, HMGN5, HMOX1, HMX1, HNF1A, HNF4A, HOXA1, HOXA10, HOXA13, HOXA5, HOXA6, HOXB13, HOXB2, HOXB3, HOXB5, HOXB6, HOXB7, HOXB8, HOXB9, HOXC6, HOXC8, HOXC9, HOXD1, HOXD10, HOXD13, HOXD9, HR, HSF2BP, HSF4, HSPA1A, ICAM1, IFI16, IFI27, IGBP1, IGMBBP2, IGSF1, IKZF4, IL11, IL18R1, ILIRAP, ILK, ING1, INGA, INHBA, INTS12, INTS5, IRAK2, IRF1, IRF4, IRF5, JAZF1, KAT2B, KAT5, KAT6B, KCNH4, KDM4C, KDM5B, KDM7A, KHSRP, KLF16, KLF2, KLF4, KLF7, KLF9, KLKG1, KRBA1, KRBA2, KTI12, L3MBTL1, LAGE3, LAMTOR5, LANCL2, LBHD1, LBX2, LEFTY1, LGALS9, LHx4, LHx6, LHx8, LHx9, LIMS1, LIN37, LMO2, LOXL3, LRIF1, MAD2L2, MAFK, MAGI1, MALTI, MAML1, MAP2K5, MAP3K12, MAPK10, MAPK11, MAPRE3, MBTPS2, MCIDAS, MCPHI, MED11, MED16, MED17, MED18, MED23, MED26, MED30, MEF2B, MEIS1, MECPE, MESPI, MGAM, MIA3, MID2, MIER2, MIER3, MITF, MLXIPL, MN1, MNX1, MOSPD1, MRPL12, MRPL23, MSANTD1, MSX2, MTRES1, MTURN, MUC1, MXD3, MXI1, MYCBP, MYCL, MYPOP, NANOS1, NCK1, NEK4, NFATC1, NFIX, NFKBIB, NFKBIZ, NFYA, NHS, NKX2-1, NKX2-3, NKX2-5, NKX3-1, NKX3-2, NKX6-1, NLRC3, NME2, NOD2, NOG, NPRA, NR1D1, NR1H4, NR2E3, NR2F6, NR3C2, NR4A1, NR4A2, NR4A3, NRARP, NRL, NUPR1, OSR2, OTX1, OVOL3, P2RY1, PABPN1, PAD1, PAGR1, PAX2, PAX8, PAX9, PBX2, PBX4, PBXIP1, PCBD2, PCGF1, PCGF6, PELI1, PELP1, PER2, PER3, PERM1, PEX14, PGBD1, PHF1, PHF21A, PITX1, PITX2, PKIA, PKMYT1, PKNOX1, PLAC8, PLAG1, PLCB1, POLA1, POLR1C, POLR2H, POLR2J, POLR3G, POLR3K, POUF3F, POUF4F, POUF5F, POU5F1, PPARA, PPM1D, PPP1R13L, PPP3R1, PQBP1, PRDM1, PRDM11, PRDM13, PRDM5, PRDM8, PRKCH, PRKCZ, PRKD1, PRNP, PRRX2, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSDM12, PSMD9, PTCH1, PTP4A3, PTPNI8, PYCARD, RBM14, RCOR2, RELB, RET, RGM, RHEBL1, RIPK4, RITAI, RNASEL, RNF31, RNF8, RNGTT, ROR2, RPAP1, RPRD2, RPTOR, RRAGC, RRM2, RRP8, RSF1, RTKN2, RUNX2, RWDD3, RXRA, SALL1, SALL2, SALL4, SAMD11, SARNP, SATB1, SATB2, SCFA4, SCGB1A1, SCMHI, SCML2, SDR16C5, SETDB2, SETSI, SFR1, SFRP1, SFRP5, SH2D2A, SHH, SIGIRR, SIM2, SIX4, SLCA40A1, SMARCB1, SMIM29, SMOX, SMYD3, SNAI1, SNCA, SOX17, SOX2, SOX21, SOX4, SOX5, SOX6, SOX7, SOX9, SP140L, SP8, SPAG8, SPHK1, SPIN3, SPIN4, SPOCD1, SRFBP1, SS18L2, SSBP2, SSBP4, STAT4, STAT5A, STK36, STOXY1, SUMO4, SUPT3H, SUPT4H1, SUV39H1, TAB3, TADA2A, TAF6L, TAF8, TBX20, TBX3, TBX6, TCEA3, TCF19, TCF7, TEAD3, TENM1, TES, TET1, TFAP2C, TFR2, TGFA, TGFBI1, TGFBI3, THAP11, THAP12, THAP6, THAP8, THAP9, TIMP1, TLE2, TLR3, TMEM98, TOB1, TOX3, TP53, TP53INP1, TRAF1, TRAF6, TRAK2, TRAPP2C, TRIM13, TRIM29, TRIM4, TRIM45, TRIM66, TRPS1, TSC22D4, TSFM, TSHZ3, TSSK4, TWIST1, UBE2I, UCN, USF3, UTP15, UXT, VDR, VGLL4, WDR43, WDR77, WDTC1, WNT11, YY2, ZBED3, ZBTB17, ZBTB2, ZBTB32, ZBTB34, ZBTB45, ZBTB46, ZBTB48, ZBTB49, ZC3H6, ZFP37, ZFP41, ZFP92, ZFPL1, ZFX, ZKSCAN2, ZKSCAN3, ZKSCAN4, ZMYM5, ZMYM6, ZMYND8, ZNF10, ZNF112, ZNF121, ZNF134, ZNF138, ZNF14, ZNF165, ZNF169, ZNF17, ZNF174, ZNF175, ZNF180, ZNF182, ZNF184, ZNF189, ZNF19, ZNF2, ZNF202, ZNF212, ZNF22, ZNF222, ZNF225, ZNF229, ZNF23, ZNF230, ZNF232, ZNF233, ZNF235, ZNF239, ZNF248, ZNF25, ZNF250, ZNF254, ZNF256, ZNF266, ZNF280A, ZNF280B, ZNF285, ZNF286B, ZNF296, ZNF3, ZNF30, ZNF300, ZNF304, ZNF319, ZNF322, ZNF324B, ZNF326, ZNF329, ZNF329, |
| GO:0097659 | nucleic acid-templated transcription | BiologicalProcess | 0.00 | [ABCA2, ABLIM2, ABLIM3, ACTR8, ACVR2A, ACVRL1, ADCY1, ADRB2, AFAP1L2, AGAP2, AGER, AHRR, AIRE, ALX1, ALX4, ALYREF, ANKRD1, ANKRD2, APBB1, APOE, AREG, ARHGEF10L, ARID3B, ARID5B, ARX, ATF3, ATF5, ATF7, ATP2B4, AURKAIP1, AUTS2, BACH2, BANP, BARX1, BCL11A, BCL11B, BCL2L12, BCL6, BCL9, BEND6, BEX2, BHLHE41, BLM, BRCA2, BRD3, BTN3A3, C11orf95, C1D, C1orf61, CA9, CARF, CASZ1, CAVINA, CBX7, CC2D1A, CCDC62, CCNE1, CD38, CD40, CDK14, CDK18, CDK5RAP3, CDKN1C, CDON, CENPV, CHD1, CHD3, CHD5, CIITA, CITED2, CITED4, CNOT3, COL1A1, COMMD1, CRAT, CREB3, CREB3L1, CREBRF, CREM, CRYAB, CSRN3P3, CSTF2, CXXC1, CXXC5, CYP1A1, CYP1B1, CYP27B1, DACT1, DBP, DDN, DEDD, DEPDCC1, DGQK, DKK1, DLL1, DLX1, DLX2, DLX4, DMD, DMRTA1, DMRTA2, DNMT2, DNPEP, DOT1L, DPFI, DUSP26, DUSP28, DXO, DYRK1B, E2F6, EAF2, EBF1, EBF2, EBF3, EBF4, ECM1, EDA, EDA2R, EFCAB7, EFNA1, EGLN3, EGR1, ELK1, ELL2, ELOF1, EPC1, EPCAM, EPHA5, EPOP, ERCC2, EREG, ERLIN2, ESR2, ESRRG, ETV2, EYA1, EZH1, FANK1, FBLN5, FGFR2, FLCN, FOS, FOSL1, FOSL2, FOXA1, FOXA3, FOXD1, FOXD3, FOXD4L1, FOXE1, FOXF2, FOXN4, FOXPI1, FOXPP2, FOXPA, FST, FZD5, GADD45A, GAS7, GATA2, GATA3, GATA5, GATA6, GATD3A, GLI1, GLI2, GLI3, GLMP, GREM1, GRHL3, GRIN1, GRIP1, GSC, GTF2E1, GTF2H2, GTF2H2C, GTF2H4, H1-10, H1-5, H2AC15, H2AZ1, H4C12, HAS3, HDAC9, HES1, HES2, HEXIM2, HEY1, HGDI1A, HINFP, HIVEP3, HLX, HMGN5, HMOX1, HMX1, HNF1A, HNF4A, HOXA1, HOXA10, HOXA13, HOXA5, HOXA6, HOXB13, HOXB2, HOXB3, HOXB5, HOXB6, HOXB7, HOXB8, HOXB9, HOXC6, HOXC8, HOXC9, HOXD1, HOXD10, HOXD13, HOXD9, HR, HSBP1L1, HSF2BP, HSF4, HSPA1A, ICAM1, IFI16, IFI27, IGBP1, IGMBBP2, IGSF1, IKZF4, IL11, IL18R1, ILIRAP, ILK, ING1, INGA, INHBA, INTS12, INTS5, IRAK2, IRF1, IRF4, IRF5, JAZF1, KAT2B, KAT5, KAT6B, KCNH4, KDM4C, KDM5B, KDM7A, KHSRP, KLF16, KLF2, KLF4, KLF7, KLF9, KLKG1, KRBA1, KRBA2, KTI12, L3MBTL1, LAGE3, LAMTOR5, LANCL2, LBHD1, LBX2, LEFTY1, LGALS9, LHx4, LHx6, LHx8, LHx9, LIMS1, LIN37, LMO2, LOXL3, LRIF1, MAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|            |                                        |                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|----------------------------------------|-------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GO:0031226 | intrinsic component of plasma membrane | CellularComponent | 0.00 | [ABCC11, ABCC8, ABHD6, ACVR2A, ACVRL1, ADAM22, ADCY1, ADCY3, ADCY5, ADGRB1, ADGRD1, ADGRE1, ADGRL1, ADGRL2, ADORA1, ADORA2B, ADRA1B, ADRB2, AGER, AGTR1, AKR1C1, ANKH, ANO1, APH1B, AQP4, AQP7, ASIC3, ASIC4, ATP1A3, ATP2B4, BACE1, CID, C1QTNF1, C5, C7, CACNA1H, CACNA1I, CACNG4, CACNG7, CACNG8, CALHM2, CCR1, CCR9, CD14, CD22, CD24, CD40, CD47, CD58, CD83, CDH17, CDH4, CDON, CHRFA7A, CHRNA7, CHRNA9, CHRNB4, CLCN4, CLCN5, CLDN3, CLDN4, CLEC2D, CNIH2, CNIH3, CNTN1, CNTN5, COL13A1, COL17A1, CPT1C, CSF2RA, CXCR5, DCLK1, DLG3, DLL1, DRD1, EDA, EDA2R, EDNRA, EFNA1, EFNA3, EFNA4, EFNB1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EPHB6, EPOR, ERBB3, EREG, ESYT3, EVI2B, FFAR4, FGFR2, FGFR3, FLRT2, FLRT3, FRS2, FUT1, FXYD2, FXYD6, FZD5, GABBR1, GABRE, GAL3ST1, GGT5, GJA1, GJA3, GJB2, GLRB, GPC2, GPC4, GPC6, GPNMB, GPR137B, GPR156, GPR183, GPR19, GPR35, GPR37, GPR52, GPR75, GPRC5C, GRIN1, GRIN2B, HAS2, HAS3, HBEGF, HCN3, HCN4, HFE, HHIP, HLA-DRA, HRH1, HS3ST3B1, HTR1D, HTRA2, ICAM1, ICAM3, IL11RA, IL17RB, IL18R1, IL1R1, IL1RAP, IL27RA, ITGA1, ITGA10, ITGA4, ITGA7, ITGA9, ITGAM, ITGAX, ITGB3, ITGB6, ITGB7, KCNA2, KCNB1, KCNC3, KCND2, KCNE4, KCNF1, KCNG3, KCNH2, KCNH3, KCNH4, KCNJ11, KCNJ14, KCNJ6, KCNJ8, KCNK3, KCNMB3, KCNMB4, KISS1R, LMBR1L, LPAR4, LPAR6, LRCH4, LRP1, LRRCA4, LRRC70, LRRRC8, LRRC8B, LRRC8D, LTB4R, LTB4R2, LYPD3, MDGA1, MFSD2A, MICA, MIEN1, MME, MMP16, MPP2, MPP3, MUC1, NETO1, NLGN1, NOD2, NOS1AP, NOX5, NOXA1, NPHS1, NPRL2, NPRL3, NRCAM, NRN1, NRXN3, NTRK3, OLFM2, ORA1, OXTR, P2RX4, P2RX5, P2RX5-TAX1BP3, P2RX6, P2RY1, P2RY11, P2RY12, P2RY6, PCDH1, PCDH10, PCDH18, PCDH7, PCDH9, PCDHA10, PCDHA11, PCDHA12, PCDHA4, PCDHA5, PCDHA6, PCDHA8, PCDHA9, PCDHB11, PCDHB13, PCDHB3, PCDHB5, PCDHB6, PCDHGA1, PCDHGA10, PCDHGA11, PCDHGA4, PCDHGA5, PCDHGA6, PCDHGA8, PCDHGA9, PCDHGB1, PCDHGB2, PCDHGB3, PCDHGB4, PCDHGC3, PGAP6, PILRB, PLPP5, PLPPR1, PLPPR2, PLXNA3, PLXNB3, PMEL, PODXL2, PRNP, PRRG1, PRRG2, PTPRC, PTPRH, RASA3, RCE1, REEP2, RET, RGMB, RNF31, RNF43, ROR2, RTN4RL1, RTN4RL2, RYR1, SCN3B, SCN5A, SCNN1B, SCNN1G, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SHISA9, SLC12A2, SLC12A3, SLC12A4, SLC15A2, SLC16A10, SLC16A2, SLC16A4, SLC16A6, SLC16A7, SLC1A2, SLC1A4, SLC1A4, SLC2A4A, SLC25A14, SLC25A4, SLC27A1, SLC29A2, SLC2A1, SLC2A12, SLC30A5, SLC35A1, SLC40A1, SLC43A1, SLC4A3, SLC4A4, SLC6A17, SLC6A8, SLC7A1, SLC7A9, SLC8A1, SLCO1B1, SLCO1B7, SLCO2B1, SLCO5A1, SLITRK3, SLITRK6, SMPD2, SNAP25, SORBS1, SORCS2, SPTB, SSFN, ST14, STEAP1, SYNDIG1, SYPL1, SYT13, SYT6, TAS1R1, TENM1, TFR2, THBD, THY1, TLR3, TLR5, TMC1, TMC4, TMC5, TMC6, TMC7, TMC8, TMEM11, TRABD2A, TRAF6, TRPM2, TRPV2, TRPV3, TSPAN1, TSPAN10, TSPAN12, TSPAN13, TSPAN7, TSPAN8, UGT1A1, UGT1A6, ULBP2, UPK1A, VAMP1, VAMP2, VIPR1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GO:0032991 | protein-containing complex             | CellularComponent | 0.00 | [A1CF, ABCA2, ABCB6, ABCC8, ABHD6, ACTR3B, ACTR8, ACVR2A, ACVRL1, ADGRA2, ADRB2, AKR1C1, ALG14, ALX1, ALX4, ALYREF, AMACR, AMN, AMOT, ANAPC10, ANAPC15, ANKRD1, ANKZF1, ANO1, AP1S2, AP4B1, AP5B1, AP5Z1, APBB1, APC2, APH1B, APOE, APOH, APOL1, APOM, APOO, APPBP2, AREG, ARHGAP33, ARL4D, ARL6, ARPC5L, ASB1, ASB4, ATF3, ATF5, ATP1A3, ATP23, ATP2A1, ATP2B4, ATP5F1D, ATP5MGL, ATP6AP1L, ATP6V0A2, ATP6V0A4, ATP6V0E2, ATP6V1B1, ATP6V1C1, ATP6V1F, AURKAIP1, AXIN2, BABAM1, BBS5, BCAS4, BCL2, BCL9, BEX2, BLM, BLOC1S3, BLOC1S4, BLOC1S5, BMF, BMT2, BOD1, BOP1, BORCS7, BORCS8, BRCA2, BTBD8, BTN3A3, BYSL, C12orf66, C15orf48, C1D, C1QL1, C1QL4, C1QTNF1, C1QTNF3, C5, C7, CACHD1, CACNA1H, CACNA1I, CACNB4, CACNG4, CACNG6, CACNG7, CACNG8, CAMKMT, CATSPER2, CATSPERB, CATSPERE, CATSPERG, CBLL1, CBX7, CCDC102A, CCDC12, CCDC120, CCDC130, CCNE1, CCNI2, CCNJ, CCNO, CCZ1B, CD14, CD40, CDH17, CDH3, CDH4, CDH6, CDHR3, CDK14, CDK5R2, CDK5RAP3, CDKN2D, CENPS, CFAP70, CFH, CGNL1, CHD3, CHD5, CHMP1B, CHMP4A, CHMP6, CHRA1, CHRFAM7A, CHRNA7, CHRNA9, CHRNAB, CHTF18, CIAO2B, CIAO3, CISH, CITED2, CLBA1, CLDN3, CLDN4, CNEP1R1, CNIH2, CNIH3, CNOT3, CNST, CNTN1, COG5, COL11A2, COL12A1, COL13A1, COL16A1, COL17A1, COL1A1, COL26A1, COL28A1, COL4A3, COL4A6, COL5A1, COL6A1, COL9A3, COLQ, COMMD1, COPS6, COPZ2, CORO2A, COX6A1, COX8A, CPS1, CPT1C, CRAT, CREM, CRYAB, CSF2RA, CSNK2B, CSTF2, CTC1, CTHRC1, CXCR4, CXXC1, CYP27A1, CYP28A1, DCAF10, DCAF12L2, DCAF8, DCP2, DCTN3, DCTN6, DEPD1, DERL3, DIS3L, DISC1, DLEC1, DLG3, DMAC1, DMAC2L, DMD, DNAH1, DNAH11, DNAH12, DNAH17, DNAH2, DNAH6, DNAL4, DNHD1, DNMD2, DNMD3, DOCK7, DOT1L, DPF1, DPM3, DPYSL3, DSN1, DYNLL2, DYNLLT3, E2F6, EAF2, EDA, EEF1E1, EEF2KMT, EEFSEC, EFCAB7, EFNA1, EIF3CL, EIF6, ELL2, ELMO1, ELOF1, EMILIN2, ENC1, ENO4, EPC1, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EPHB6, EPN3, EPOR, ERBB3, ERCC2, ERCC8, ERLIN2, ESAM, ETFBKMT, EVC, EVC2, EXOC3L2, EXOC3L4, EXOG, EXOSC1, EYAP1, EZH1, F7, FAAP100, FAAP24, FAM98A, FAM98B, FANCB, FANCE, FBF1, FBXL13, FBXL14, FBXL15, FBXL17, FBXL2, FBXL22, FBXL6, FBXO10, FBXO48, FBXW8, FBXW9, FCF1, FEM1C, FGA, FGB, FGFR2, FGFR3, FGL1, FGL2, FKBPL, FN1, FNTB, FOS, FOXE1, FOXF2, FXN, FXYD2, FYB1, GABBR1, GABRE, GATA2, GATA6, GATD3A, GCH1, GCOM1, GC5H, GEMIN2, GEMIN7, GEMIN8, GET4, GFRA1, GJA1, GJA3, GJB2, GJC2, GLI3, GLMN, GLRB, GLUL, GNA13, GNB3, GNG10, GNG2, GNG4, GNGT1, GOLGA7B, GON7, GPD1, GPKOW, GPR156, GPR160, GPR37, GPRC5C, GPSM1, GPSM2, GPX4, GRIN1, GRIN2B, GRPEL2, GSC, GSMD, GTF2E1, GTF2H2, GTF2H2C, GTF2H4, H1-10, H1-5, H2AC15, H2AZ1, H2BC5, H3-5, H4C12, HAUS2, HAUS4, HAUS5, HAUS7, HCN4, HDAC9, HES1, HFE, HGD1A, HLA-DMB, HLA-DRA, HLA-F, HMLC1, HNF1A, HOXA10, HOXB13, HOXB9, HPS4, HSPA14, HSPA1A, HSPA1L, HSPG2, HTRA2, HYPK, IFITM2, IFITM3, IFT52, IGFBBP3, IGHMBP2, IKZF4, IL11RA, IL18R1, IL27RA, IL3RA, ILK, IMMP1L, IMP3, ING4, INHA, INHBA, INIP, INTS12, INTS5, IRF4, ITGA1, ITGA10, ITGA4, ITGA7, ITGA9, ITGAM, ITGAX, ITGB3, ITGB6, ITGB7, JAZF1, JPH1, JPH2, JRK, KAT2B, KAT5, KAT6B, KBTBD8, KCNA2, KCNAB3, KCNB1, KCNC3, KCND2, KCNE4, KCNF1, KCNG3, KCNH2, KCNH4, KCNJ11, KCNJ14, KCNJ6, KCNJ8, KCNMB3, KCNMB4, KCTD12, KDM4C, KDM5B, KHDRBS3, KHSRP, KIF12, KIF1A, KIF24, KIF26A, KIF5A, KLC4, KLF4, KLHL13, KLHL21, KLHL3, KPNA3, KPNA5, KRT19, KTI12, LAGE3, LAMB4, LAMTOR5, LCP1, LDHD, LEPR, LGALS3, LIN37, LINTA, LIPC, LMO2, LOX, LRP1, LRP2, LRRC29, LRRC8B, LRRC8C, LRRC8D, LSM5, LSR, LTBP1, LY6G5B, MAD2L2, MAG1, MAGI2, MALSU1, MALT1, MAP2, MAPT, MARK4, MB, MCUB, MED11, MED16, MED17, MED18, MED23, MED26, MED30, MEF2B, MEGF9, MEIS1, MEPCE, METTL18, MGAM, MIA3, MIB2, MICALL1, MICOS13, MID1, MIER2, MIER3, MITF, MKRN3, MKS1, MLXIPL, MON1A, MON1B, MPHOSPH10, MPHOSPH6, MPP2, MPP3, MPP7, MR1, MRPL1, MRPL12, MRPL14, MRPL18, MRPL2, MRPL23, MRPL27, MRPL28, MRPL30, MRPL33, MRPL38, MRPL39, MRPL49, MRPL50, MRPL53, MRPL54, MRPL57, MTRMR9, MYB12B, MXD3, MXI1, MYH15, MYH3, MYO15B, MYO1A, MYO1F, MYO3A, MYO5B, MYO7A, N6AMT1, NAA30, NAE1, NANOS1, NAT9, NCALD, NCK1, NDRG1, NDUFA1, NDUFA17, NDUFB8, NDUFS7, NDUFV2, NECAP2, NFATC1, NFYA, NHLRC1, NKD1, NKX2-1, NKX2-5, NLGN1, NOD2, NOS1AP, NOX5, NOXA1, NPHP3-ACAD11, NPIP1A, NPPA, NPRL2, NPRL3, NR1D1, NR1H4, NR2E3, NR3C2, NR4A1, NR4A2, NR4A3, NRN1, NRXN3, NSUN3, NTRK3, NUP62CL, NUPR1, OCLN, OLFM2, ORA1, ORC4, ORMDL2, OSSEP, OSSEPL1, OSTC, P2RX6, PABPN1, PAGR1, PAM16, PAN2, PARP11, PAX2, PBX2, PCGF1, PCGF6, PCSK9, PDK2, PDLIM2, PDRG1, PDZD7, PEA15, PELP1, PEX14, PEX3, PFDN6, PGGT1B, PGM5, PHF1, PHF21A, PIGH, PIGM, PIGQ, PIGV, PIH1D2, PIK3CG, PIK3R3, PITX1, PITX2, PIP3, PIP5K, PIPK1, PIPK2, PIPK3, PIPK4, PIPK5, PIPK6, PIPK7, PIPK8, PIPK9, PIPK10, PIPK11, PIPK12, PIPK13, PIPK14, PIPK15, PIPK16, PIPK17, PIPK18, PIPK19, PIPK20, PIPK21, PIPK22, PIPK23, PIPK24, PIPK25, PIPK26, PIPK27, PIPK28, PIPK29, PIPK30, PIPK31, PIPK32, PIPK33, PIPK34, PIPK35, PIPK36, PIPK37, PIPK38, PIPK39, PIPK40, PIPK41, PIPK42, PIPK43, PIPK44, PIPK45, PIPK46, PIPK47, PIPK48, PIPK49, PIPK50, PIPK51, PIPK52, PIPK53, PIPK54, PIPK55, PIPK56, PIPK57, PIPK58, PIPK59, PIPK60, PIPK61, PIPK62, PIPK63, PIPK64, PIPK65, PIPK66, PIPK67, PIPK68, PIPK69, PIPK70, PIPK71, PIPK72, PIPK73, PIPK74, PIPK75, PIPK76, PIPK77, PIPK78, PIPK79, PIPK80, PIPK81, PIPK82, PIPK83, PIPK84, PIPK85, PIPK86, PIPK87, PIPK88, PIPK89, PIPK90, PIPK91, PIPK92, PIPK93, PIPK94, PIPK95, PIPK96, PIPK97, PIPK98, PIPK99, PIPK100, PIPK101, PIPK102, PIPK103, PIPK104, PIPK105, PIPK106, PIPK107, PIPK108, PIPK109, PIPK110, PIPK111, PIPK112, PIPK113, PIPK114, PIPK115, PIPK116, PIPK117, PIPK118, PIPK119, PIPK120, PIPK121, PIPK122, PIPK123, PIPK124, PIPK125, PIPK126, PIPK127, PIPK128, PIPK129, PIPK130, PIPK131, PIPK132, PIPK133, PIPK134, PIPK135, PIPK136, PIPK137, PIPK138, PIPK139, PIPK140, PIPK141, PIPK142, PIPK143, PIPK144, PIPK145, PIPK146, PIPK147, PIPK148, PIPK149, PIPK150, PIPK151, PIPK152, PIPK153, PIPK154, PIPK155, PIPK156, PIPK157, PIPK158, PIPK159, PIPK160, PIPK161, PIPK162, PIPK163, PIPK164, PIPK165, PIPK166, PIPK167, PIPK168, PIPK169, PIPK170, PIPK171, PIPK172, PIPK173, PIPK174, PIPK175, PIPK176, PIPK177, PIPK178, PIPK179, PIPK180, PIPK181, PIPK182, PIPK183, PIPK184, PIPK185, PIPK186, PIPK187, PIPK188, PIPK189, PIPK190, PIPK191, PIPK192, PIPK193, PIPK194, PIPK195, PIPK196, PIPK197, PIPK198, PIPK199, PIPK200, PIPK201, PIPK202, PIPK203, PIPK204, PIPK205, PIPK206, PIPK207, PIPK208, PIPK209, PIPK210, PIPK211, PIPK212, PIPK213, PIPK214, PIPK215, PIPK216, PIPK217, PIPK218, PIPK219, PIPK220, PIPK221, PIPK222, PIPK223, PIPK224, PIPK225, PIPK226, PIPK227, PIPK228, PIPK229, PIPK230, PIPK231, PIPK232, PIPK233, PIPK234, PIPK235, PIPK236, PIPK237, PIPK238, PIPK239, PIPK240, PIPK241, PIPK242, PIPK243, PIPK244, PIPK245, PIPK246, PIPK247, PIPK248, PIPK249, PIPK250, PIPK251, PIPK252, PIPK253, PIPK254, PIPK255, PIPK256, PIPK257, PIPK258, PIPK259, PIPK260, PIPK261, PIPK262, PIPK263, PIPK264, PIPK265, PIPK266, PIPK267, PIPK268, PIPK269, PIPK270, PIPK271, PIPK272, PIPK273, PIPK274, PIPK275, PIPK276, PIPK277, PIPK278, PIPK279, PIPK280, PIPK281, PIPK282, PIPK283, PIPK284, PIPK285, PIPK286, PIPK287, PIPK288, PIPK289, PIPK290, PIPK291, PIPK292, PIPK293, PIPK294, PIPK295, PIPK296, PIPK297, PIPK298, PIPK299, PIPK300, PIPK301, PIPK302, PIPK303, PIPK304, PIPK305, PIPK306, PIPK307, PIPK308, PIPK309, PIPK310, PIPK311, PIPK312, PIPK313, PIPK314, PIPK315, PIPK316, PIPK317, PIPK318, PIPK319, PIPK320, PIPK321, PIPK322, PIPK323, PIPK324, PIPK325, PIPK326, PIPK327, PIPK328, PIPK329, PIPK330, PIPK331, PIPK332, PIPK333, PIPK334, PIPK335, PIPK336, PIPK337, PIPK338, PIPK339, PIPK340, PIPK341, PIPK342, PIPK343, PIPK344, PIPK345, PIPK346, PIPK347, PIPK348, PIPK349, PIPK350, PIPK351, PIPK352, PIPK353, PIPK354, PIPK355, PIPK356, PIPK357, PIPK358, PIPK359, PIPK360, PIPK361, PIPK362, PIPK363, PIPK364, PIPK365, PIPK366, PIPK367, PIPK368, PIPK369, PIPK370, PIPK371, PIPK372, PIPK373, PIPK374, PIPK375, PIPK376, PIPK377, PIPK378, PIPK379, PIPK380, PIPK381, PIPK382, PIPK383, PIPK384, PIPK385, PIPK386, PIPK387, PIPK388, PIPK389, PIPK390, PIPK391, PIPK392, PIPK393, PIPK394, PIPK395, PIPK396, PIPK397, PIPK398, PIPK399, PIPK400, PIPK401, PIPK402, PIPK403, PIPK404, PIPK405, PIPK406, PIPK407, PIPK408, PIPK409, PIPK410, PIPK411, PIPK412, PIPK413, PIPK414, PIPK415, PIPK416, PIPK417, PIPK418, PIPK419, PIPK420, PIPK421, PIPK422, PIPK423, PIPK424, PIPK425, PIPK426, PIPK427, PIPK428, PIPK429, PIPK430, PIPK431, PIPK432, PIPK433, PIPK434, PIPK435, PIPK436, PIPK437, PIPK438, PIPK439, PIPK440, PIPK441, PIPK442, PIPK443, PIPK444, PIPK445, PIPK446, PIPK447, PIPK448, PIPK449, PIPK450, PIPK451, PIPK452, PIPK453, PIPK454, PIPK455, PIPK456, PIPK457, PIPK458, PIPK459, PIPK460, PIPK461, PIPK462, PIPK463, PIPK464, PIPK465, PIPK466, PIPK467, PIPK468, PIPK469, PIPK470, PIPK471, PIPK472, PIPK473, PIPK474, PIPK475, PIPK476, PIPK477, PIPK478, PIPK479, PIPK480, PIPK481, PIPK482, PIPK483, PIPK484, PIPK485, PIPK486, PIPK487, PIPK488, PIPK489, PIPK490, PIPK491, PIPK492, PIPK493, PIPK494, PIPK495, PIPK496, PIPK497, PIPK498, PIPK499, PIPK500, PIPK501, PIPK502, PIPK503, PIPK504, PIPK505, PIPK506, PIPK507, PIPK508, PIPK509, PIPK510, PIPK511, PIPK512, PIPK513, PIPK514, PIPK515, PIPK516, PIPK517, PIPK518, PIPK519, PIPK520, PIPK521, PIPK522, PIPK523, PIPK524, PIPK525, PIPK526, PIPK527, PIPK528, PIPK529, PIPK530, PIPK531, PIPK532, PIPK533, PIPK534, PIPK535, PIPK536, PIPK537, PIPK538, PIPK539, PIPK540, PIPK541, PIPK542, PIPK543, PIPK544, PIPK545, PIPK546, PIPK547, PIPK548, PIPK549, PIPK550, PIPK551, PIPK552, PIPK553, PIPK554, PIPK555, PIPK556, PIPK557, PIPK558, PIPK559, PIPK560, PIPK561, PIPK562, PIPK563, PIPK564, PIPK565, PIPK566, PIPK567, PIPK568, PIPK569, PIPK570, PIPK571, PIPK572, PIPK573, PIPK574, PIPK575, PIPK576, PIPK577, PIPK578, PIPK579, PIPK580, PIPK581, PIPK582, PIPK583, PIPK584, PIPK585, PIPK586, PIPK587, PIPK588, PIPK589, PIPK590, PIPK591, PIPK592, PIPK593, PIPK594, PIPK595, PIPK596, PIPK597, PIPK598, PIPK599, PIPK600, PIPK601, PIPK602, PIPK603, PIPK604, PIPK605, PIPK606, PIPK607, PIPK608, PIPK609, PIPK610, PIPK611, PIPK612, PIPK613, PIPK614, PIPK615, PIPK616, PIPK617, PIPK618, PIPK619, PIPK620, PIPK621, PIPK622, PIPK623, PIPK624, PIPK625, PIPK626, PIPK627, PIPK628, PIPK629, PIPK630, PIPK631, PIPK632, PIPK633, PIPK634, PIPK635, PIPK636, PIPK637, PIPK638, PIPK639, PIPK640, PIPK641, PIPK642, PIPK643, PIPK644, PIPK645, PIPK646, PIPK647, PIPK648, PIPK649, PIPK650, PIPK651, PIPK652, PIPK653, PIPK654, PIPK655, PIPK656, PIPK657, PIPK658, PIPK659, PIPK660, PIPK661, PIPK662, PIPK663, PIPK664, PIPK665, PIPK666, PIPK667, PIPK668, PIPK669, PIPK670, PIPK671, PIPK672, PIPK673, PIPK674, PIPK675, PIPK676, PIPK677, PIPK678, PIPK679, PIPK680, PIPK681, PIPK682, PIPK683, PIPK684, PIPK685, PIPK686, PIPK687, PIPK688, PIPK689, PIPK690, PIPK691, PIPK692, PIPK693, PIPK694, PIPK695, PIPK696, PIPK697, PIPK698, PIPK699, PIPK700, PIPK701, PIPK702, PIPK703, PIPK704, PIPK705, PIPK706, PIPK707, PIPK708, PIPK709, PIPK710, PIPK711, PIPK712, PIPK713, PIPK714, PIPK715, PIPK716, PIPK717, PIPK718, PIPK719, PIPK720, PIPK721, PIPK722, PIPK723, PIPK724, PIPK725, PIPK726, PIPK727, PIPK728, PIPK729, PIPK730, PIPK731, PIPK732, PIPK733, PIPK734, PIPK735, PIPK736, PIPK737, PIPK738, PIPK739, PIPK740, PIPK741, PIPK742, PIPK743, PIPK744, PIPK745, PIPK746, PIPK747, PIPK748, PIPK749, PIPK750, PIPK751, PIPK752, PIPK753, PIPK754, PIPK755, PIPK756, PIPK757, PIPK758, PIPK759, PIPK760, PIPK761, PIPK762, PIPK763, PIPK764, PIPK765, PIPK766, PIPK767, PIPK768, PIPK769, PIPK770, PIPK771, PIPK772, PIPK773, PIPK774, PIPK775, PIPK776, PIPK777, PIPK778, PIPK779, PIPK780, PIPK781, PIPK782, PIPK783, PIPK784, PIPK785, PIPK786, PIPK787, PIPK788, PIPK789, PIPK790, PIPK791, PIPK792, PIPK793, PIPK794, PIPK795, PIPK796, PIPK797, PIPK798, PIPK799, PIPK800, PIPK801, PIPK802, PIPK803, PIPK804, PIPK805, PIPK806, PIPK807, PIPK808, PIPK809, PIPK810, PIPK811, PIPK812, PIPK813, PIPK814, PIPK815, PIPK816, PIPK817, PIPK818, PIPK819, PIPK820, PIPK821, PIPK822, PIPK823, PIPK824, PIPK825, PIPK826, PIPK827, PIPK828, PIPK829, PIPK830, PIPK831, PIPK832, PIPK833, PIPK834, PIPK835, PIPK836, PIPK837, PIPK838, PIPK839, PIPK840, PIPK841, PIPK842, PIPK843, PIPK844, PIPK845, PIPK846, PIPK847, PIPK848, PIPK849, PIPK850, PIPK851, PIPK852, PIPK853, PIPK854, PIPK855, PIPK856, PIPK857, PIPK858, PIPK859, PIPK860, PIPK861, PIPK862, PIPK863, PIPK864, PIPK865, PIPK866, PIPK867, PIPK868, PIPK869, PIPK870, PIPK871, PIPK872, PIPK873, PIPK874, PIPK875, PIPK876, PIPK877, PIPK878, PIPK879, PIPK880, PIPK881, PIPK882, PIPK883, PIPK884, PIPK885, PIPK886, PIPK887, PIPK888, PIPK889, PIPK890, PIPK891, PIPK892, PIPK893, PIPK894, PIPK895, PIPK896, PIPK897, PIPK898, PIPK899, PIPK900, PIPK901, PIPK902, PIPK903, PIPK904, PIPK905, PIPK906, PIPK907, PIPK908, PIPK909, PIPK910, PIPK911, PIPK912, PIPK913, PIPK914, PIPK915, PIPK916, PIPK917, PIPK918, PIPK919, PIPK920, PIPK921, PIPK922, PIPK923, PIPK924, PIPK925, PIPK926, PIPK927, PIPK928, PIPK929, PIPK930, PIPK931, PIPK932, PIPK933, PIPK934, PIPK935, PIPK936, PIPK937, PIPK938, PIPK939, PIPK940, PIPK941, PIPK942, PIPK943, PIPK944, PIPK945, PIPK946, PIPK947, PIPK948, PIPK949, PIPK950, PIPK951, PIPK952, PIPK953, PIPK954, PIPK955, PIPK956, PIPK957, PIPK958, PIPK959, PIPK960, PIPK961, PIPK962, PIPK963, PIPK964, PIPK965, PIPK966, PIPK967, PIPK968, PIPK969, PIPK970, PIPK971, PIPK972, PIPK973, PIPK974, PIPK975, PIPK976, PIPK977, PIPK978, PIPK979, PIPK980, PIPK981, PIPK982, PIPK983, PIPK984, PIPK985, PIPK986, PIPK987, PIPK988, PIPK989, PIPK990, PIPK991, PIPK992, PIPK993, PIPK994, PIPK995, PIPK996, PIPK997, PIPK998, PIPK999, PIPK1000] |
| GO:1902494 | catalytic complex                      | CellularComponent | 0.00 | [ACTR8, ACVR2A, ALYREF, ANAPC10, ANAPC15, ASB1, ASB4, CID, CBLL1, CBX7, CCNE1, CCNI2, CCNJ, CCNO, CDK14, CDK5R2, CDKN2D, CFAP70, CHD3, CHD5, CHRA1, CISH, CNEP1R1, CNTN1, COMMD1, CXXC1, DCAF10, DCAF12L2, DCAF8, DERL3, DIS3L, DISC1, DMAC1, DNAH1, DNAH11, DNAH12, DNAH17, DNAH2, DNAH6, DNAL4, DNHD1, DPF1, DPM3, DYNLL2, DYNLLT3, E2F6, ENC1, ENO4, EPC1, EPOR, ERCC2, ERCC8, EXOSC1, EZH1, F7, FBXL13, FBXL14, FBXL15, FBXL17, FBXL2, FBXL6, FBXO10, FBXO48, FBXW8, FEM1C, FNTB, GCOM1, GC5H, GLMN, GNA13, GNB3, GNG10, GNG2, GNG4, GNGT1, GOLGA7B, GPD1, GPR37, GTF2E1, GTF2H2, GTF2H2C, GTF2H4, HDAC9, HTRA2, ING4, KAT2B, KAT5, KAT6B, KBTBD8, KCNA2, KCNB1, KCNC3, KCND2, KCNE4, KCNF1, KCNG3, KCNH2, KCNH4, KCLH13, KCLH21, KCLH3, LDHD, LRRC29, MAD2L2, MED11, MED30, MGAM, MIB2, MPHOSPH6, N6AMT1, NAA30, NCK1, NDUFA1, NDUFA7, NDUFB8, NDUFS7, NDUFV2, NKD1, NOX5, NOXA1, NR4A2, ORMDL2, OSTC, PAGR1, PCGF1, PCGF6, PDK2, PELP1, PGGT1B, PHF1, PHF21A, PIGH, PIGM, PIGQ, PIGV, PIK3CG, PIK3R3, POLA1, POLE2, POLR1C, POLR2H, POLR2J, POLR3G, POP5, PPP1R3C, PPP2R3A, PPP3R1, PPWD1, PRIM2, PRORP, PRPS2, PSMA1, PSMA2, PSMB10, PSMB8, PSMB9, PSMD12, PSMD9, PYCARD, QPRT, RAG1, RCHY1, RHBDL2, RNF144B, RNF19A, RNF31, RNF8, RPP40, RPRD2, RRM2, RSF1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|            |                                         |                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------|-----------------------------------------|-------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GO:0120025 | plasma membrane bounded cell projection | CellularComponent | 0.00 | [ABCA7, ABHD13, ABITRAM, ABLIM3, ACAP3, ACP3, ACVRL1, ADAM22, ADCY3, ADCY5, ADGRA2, ADGRB1, ADGRL1, ADGRL2, ADORA1, AFAP1L1, AJM1, AK7, AK8, AKAP3, AKAP5, AMN, AMOT, ANGPT1, ANK2, ANK3, ANKS1B, AOC3, APBA3, APBB1, APC2, APOE, AQP11, AQP4, ARAP3, ARHGAP33, ARHGAP44, ARHGAP45, ARHGEF4, ARL4D, ARL6, ARL8B, ASS1, ATP1A3, ATP2B4, ATP6V0A4, ATP6V1B1, ATP7A, AUTS2, BACE1, BAIAP2, BBS10, BBS12, BB55, BCL11B, BLOC1S3, BLOC1S4, BLOC1S5, BRAF, BRINP3, BSN, BST1, BTBD8, C1D, C1QL1, C4A, CA9, CABCCOCO1, CABYR, CACNA1H, CACNA1I, CACNG7, CARMIL2, CATSPER2, CATSPERB, CATSPERE, CATSPERG, CCDC120, CCDC181, CCK, CCSAP, CD302, CD40, CDHR3, CDK5R2, CEP162, CEP295NL, CFAP298, CFAP300, CFAP410, CFAP43, CFAP58, CFAP70, CHRFA7M4, CHRNA7, CHRNB4, CIB2, CIBAR1, CKB, CNIH2, CNIH3, CNKSR2, CPT1C, CRMP1, CRYAB, CSNK2B, CTNNA2, CTNND2, CTSV, CUBN, DAAM1, DCDC2, DDN, DEF81, DISC1, DLG1, DLEC1, DLG3, DMD, DMTN, DNAAF3, DNAAF4, DDAH1, DDAH11, DDAH12, DDAH17, DDAH2, DDAH6, DNAJB13, DNAL4, DNER, DNHD1, DNM2, DNM3, DOCA2, DOCK7, DPYSL3, DRD1, DSCAML1, DYNLL2, EFCAB7, EFHC1, ELK1, ENKUR, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EVC, EVC2, FAM161B, FANK1, FBF1, FBXL13, FBXL15, FFAR4, FGD4, FHDC1, FKBPL, FLACC1, FLCN, FLRT2, FLRT3, FMN2, FMNL1, FOS, FOSL1, FOXA1, FRMD4B, FSCN3, FSI2, FZD5, FZD9, GABBR1, GABRE, GAS8, GCH1, GJB2, GJC2, GLI1, GLI2, GLI3, GLMN, GLRB, GLRX5, GLUL, GNA13, GNB3, GNGT1, GNRH1, GPHN, GPNMB, GPR179, GPR19, GRIN1, GRIN2B, GRIP1, GRIP2, GRK4, GUCA1B, HAP1, HCN3, HHIP, HNF1A, HOMER1, HRH1, HTR1D, HYAL3, HYL51, IFT52, IGHMBP2, ILK, INHA, INPP51, IQCD, IQUB, ITGA1, ITGA4, ITGB3, ITPKA, JCAD, KCNA2, KCNB1, KCNC3, KCND2, KCNH4, KCNJ11, KCNJ14, KCNN3, KIF1A, KIF5A, KIRREL3, KISSIR1, L1CAM, LAYN, LCA5, LCP1, LDHD, LHFPL4, LMTK3, LRIG2, LRP1, LRP2, LRRC4B, LRRC6, LYNX1, LYPD6, MACIR, MAGEE1, MAGI2, MAK, MAP2, MAP2K4, MAP3K12, MAPK10, MAPT, MARK4, MAST1, MB, MICAL1, MKS1, MME, MOB2, MOB4, MORN4, MPP2, MPP3, MTM1, MTMR9, MTSS1, MUC1, MUC20, MYO1A, MYO1F, MYO3A, MYO7A, MYPN, N4BP3, NANOS1, NCDN, NDRG2, NDUFS7, NECAB2, NEFL, NEK4, NEK8, NGEF, NHLRC1, NHS, NLGN1, NMB, NME2, NMNAT3, NMU, NPHP1, NPHP3, NPHP3-ACAD11, NPTX1, NR1D1, NR4A2, NRCAM, NRGN, NTRK3, NUBP1, OLFM1, OPHN1, OSBP2, OXCT2, OXTR, P2RX4, P2RX6, P2RY1, PALMD, PCDH9, PCDHA4, PCDHA6, PCDHB13, PCDHGB1, PCLO, PCSK1, PDE1C, PDE6D, PDE9A, PDZD7, PGAM4, PIFO, PKDL11, PLCB4, PLCE1, PLEK2, PLEKHG5, PLEKHG6, PLK2, PPP1R9A, PQBP1, PRKAA2, PRKAR2B, PRKCG, PRKCZ, PRNP, PROC, PRSS12, CXTCH1, PTGS1, PTGS2, PTXG1, PTNPS1, PTPRC, PTPRH, PXDN, RAB27B, RAB3A, RABEP2, RAP1GAP, RAP1GAP2, RBM3, REEP6, RET, RGS10, RGS9BP, RIC3, RILPL2, RINL, RNF38, ROGDI, ROR2, RPGRIP1, RPGRIP1L, RPH3A, RPTOR, RSPH1, RSPH3, RTN4RL2, S100P, SCYL3, SDC3, SEMA6A, SH3YL1, SHISA9, SIPA1L1, SLC12A2, SLC17A8, SLC1A2, SLC1A3, SLC1A4, SLC4A10, SLC6A8, SLC7A9, SLC8A1, SMOX, SNAP25, SNAPIN, SNCA, SNCG, SNPH, SORBS2, SORCS2, SPACA9, SPAST, SPATA13, SPATA4, SPATA7, SPEF1, SPEF2, SPOCK1, SPRY4, SPTBN4, SRCIN1, SSX2IP, STAR, STK19, STMN3, STMN4, STON2, STXBP1, SYNDIG1, SVY, SYT13, SYTL1, TANC1, TAPT1, TAS2R4, TBC1D24, TCHP, TCTEX1D2, TDO2, TEDC1, TEK3, TENM1, TESC, THY1, TIAM1, TMCI, TMEM17, TMEM71, TMEM122, TMEM123, TMEM124, TMEM125, TMEM126, TMEM127, TMEM128, TMEM129, TMEM130, TMEM131, TMEM132, TMEM133, TMEM134, TMEM135, TMEM136, TMEM137, TMEM138, TMEM139, TMEM140, TMEM141, TMEM142, TMEM143, TMEM144, TMEM145, TMEM146, TMEM147, TMEM148, TMEM149, TMEM150, TMEM151, TMEM152, TMEM153, TMEM154, TMEM155, TMEM156, TMEM157, TMEM158, TMEM159, TMEM160, TMEM161, TMEM162, TMEM163, TMEM164, TMEM165, TMEM166, TMEM167, TMEM168, TMEM169, TMEM170, TMEM171, TMEM172, TMEM173, TMEM174, TMEM175, TMEM176, TMEM177, TMEM178, TMEM179, TMEM180, TMEM181, TMEM182, TMEM183, TMEM184, TMEM185, TMEM186, TMEM187, TMEM188, TMEM189, TMEM190, TMEM191, TMEM192, TMEM193, TMEM194, TMEM195, TMEM196, TMEM197, TMEM198, TMEM199, TMEM200, TMEM201, TMEM202, TMEM203, TMEM204, TMEM205, TMEM206, TMEM207, TMEM208, TMEM209, TMEM210, TMEM211, TMEM212, TMEM213, TMEM214, TMEM215, TMEM216, TMEM217, TMEM218, TMEM219, TMEM220, TMEM221, TMEM222, TMEM223, TMEM224, TMEM225, TMEM226, TMEM227, TMEM228, TMEM229, TMEM230, TMEM231, TMEM232, TMEM233, TMEM234, TMEM235, TMEM236, TMEM237, TMEM238, TMEM239, TMEM240, TMEM241, TMEM242, TMEM243, TMEM244, TMEM245, TMEM246, TMEM247, TMEM248, TMEM249, TMEM250, TMEM251, TMEM252, TMEM253, TMEM254, TMEM255, TMEM256, TMEM257, TMEM258, TMEM259, TMEM260, TMEM261, TMEM262, TMEM263, TMEM264, TMEM265, TMEM266, TMEM267, TMEM268, TMEM269, TMEM270, TMEM271, TMEM272, TMEM273, TMEM274, TMEM275, TMEM276, TMEM277, TMEM278, TMEM279, TMEM280, TMEM281, TMEM282, TMEM283, TMEM284, TMEM285, TMEM286, TMEM287, TMEM288, TMEM289, TMEM290, TMEM291, TMEM292, TMEM293, TMEM294, TMEM295, TMEM296, TMEM297, TMEM298, TMEM299, TMEM300, TMEM301, TMEM302, TMEM303, TMEM304, TMEM305, TMEM306, TMEM307, TMEM308, TMEM309, TMEM310, TMEM311, TMEM312, TMEM313, TMEM314, TMEM315, TMEM316, TMEM317, TMEM318, TMEM319, TMEM320, TMEM321, TMEM322, TMEM323, TMEM324, TMEM325, TMEM326, TMEM327, TMEM328, TMEM329, TMEM330, TMEM331, TMEM332, TMEM333, TMEM334, TMEM335, TMEM336, TMEM337, TMEM338, TMEM339, TMEM340, TMEM341, TMEM342, TMEM343, TMEM344, TMEM345, TMEM346, TMEM347, TMEM348, TMEM349, TMEM350, TMEM351, TMEM352, TMEM353, TMEM354, TMEM355, TMEM356, TMEM357, TMEM358, TMEM359, TMEM360, TMEM361, TMEM362, TMEM363, TMEM364, TMEM365, TMEM366, TMEM367, TMEM368, TMEM369, TMEM370, TMEM371, TMEM372, TMEM373, TMEM374, TMEM375, TMEM376, TMEM377, TMEM378, TMEM379, TMEM380, TMEM381, TMEM382, TMEM383, TMEM384, TMEM385, TMEM386, TMEM387, TMEM388, TMEM389, TMEM390, TMEM391, TMEM392, TMEM393, TMEM394, TMEM395, TMEM396, TMEM397, TMEM398, TMEM399, TMEM400, TMEM401, TMEM402, TMEM403, TMEM404, TMEM405, TMEM406, TMEM407, TMEM408, TMEM409, TMEM410, TMEM411, TMEM412, TMEM413, TMEM414, TMEM415, TMEM416, TMEM417, TMEM418, TMEM419, TMEM420, TMEM421, TMEM422, TMEM423, TMEM424, TMEM425, TMEM426, TMEM427, TMEM428, TMEM429, TMEM430, TMEM431, TMEM432, TMEM433, TMEM434, TMEM435, TMEM436, TMEM437, TMEM438, TMEM439, TMEM440, TMEM441, TMEM442, TMEM443, TMEM444, TMEM445, TMEM446, TMEM447, TMEM448, TMEM449, TMEM450, TMEM451, TMEM452, TMEM453, TMEM454, TMEM455, TMEM456, TMEM457, TMEM458, TMEM459, TMEM460, TMEM461, TMEM462, TMEM463, TMEM464, TMEM465, TMEM466, TMEM467, TMEM468, TMEM469, TMEM470, TMEM471, TMEM472, TMEM473, TMEM474, TMEM475, TMEM476, TMEM477, TMEM478, TMEM479, TMEM480, TMEM481, TMEM482, TMEM483, TMEM484, TMEM485, TMEM486, TMEM487, TMEM488, TMEM489, TMEM490, TMEM491, TMEM492, TMEM493, TMEM494, TMEM495, TMEM496, TMEM497, TMEM498, TMEM499, TMEM500, TMEM501, TMEM502, TMEM503, TMEM504, TMEM505, TMEM506, TMEM507, TMEM508, TMEM509, TMEM510, TMEM511, TMEM512, TMEM513, TMEM514, TMEM515, TMEM516, TMEM517, TMEM518, TMEM519, TMEM520, TMEM521, TMEM522, TMEM523, TMEM524, TMEM525, TMEM526, TMEM527, TMEM528, TMEM529, TMEM530, TMEM531, TMEM532, TMEM533, TMEM534, TMEM535, TMEM536, TMEM537, TMEM538, TMEM539, TMEM540, TMEM541, TMEM542, TMEM543, TMEM544, TMEM545, TMEM546, TMEM547, TMEM548, TMEM549, TMEM550, TMEM551, TMEM552, TMEM553, TMEM554, TMEM555, TMEM556, TMEM557, TMEM558, TMEM559, TMEM560, TMEM561, TMEM562, TMEM563, TMEM564, TMEM565, TMEM566, TMEM567, TMEM568, TMEM569, TMEM570, TMEM571, TMEM572, TMEM573, TMEM574, TMEM575, TMEM576, TMEM577, TMEM578, TMEM579, TMEM580, TMEM581, TMEM582, TMEM583, TMEM584, TMEM585, TMEM586, TMEM587, TMEM588, TMEM589, TMEM590, TMEM591, TMEM592, TMEM593, TMEM594, TMEM595, TMEM596, TMEM597, TMEM598, TMEM599, TMEM600, TMEM601, TMEM602, TMEM603, TMEM604, TMEM605, TMEM606, TMEM607, TMEM608, TMEM609, TMEM610, TMEM611, TMEM612, TMEM613, TMEM614, TMEM615, TMEM616, TMEM617, TMEM618, TMEM619, TMEM620, TMEM621, TMEM622, TMEM623, TMEM624, TMEM625, TMEM626, TMEM627, TMEM628, TMEM629, TMEM630, TMEM631, TMEM632, TMEM633, TMEM634, TMEM635, TMEM636, TMEM637, TMEM638, TMEM639, TMEM640, TMEM641, TMEM642, TMEM643, TMEM644, TMEM645, TMEM646, TMEM647, TMEM648, TMEM649, TMEM650, TMEM651, TMEM652, TMEM653, TMEM654, TMEM655, TMEM656, TMEM657, TMEM658, TMEM659, TMEM660, TMEM661, TMEM662, TMEM663, TMEM664, TMEM665, TMEM666, TMEM667, TMEM668, TMEM669, TMEM670, TMEM671, TMEM672, TMEM673, TMEM674, TMEM675, TMEM676, TMEM677, TMEM678, TMEM679, TMEM680, TMEM681, TMEM682, TMEM683, TMEM684, TMEM685, TMEM686, TMEM687, TMEM688, TMEM689, TMEM690, TMEM691, TMEM692, TMEM693, TMEM694, TMEM695, TMEM696, TMEM697, TMEM698, TMEM699, TMEM700, TMEM701, TMEM702, TMEM703, TMEM704, TMEM705, TMEM706, TMEM707, TMEM708, TMEM709, TMEM710, TMEM711, TMEM712, TMEM713, TMEM714, TMEM715, TMEM716, TMEM717, TMEM718, TMEM719, TMEM720, TMEM721, TMEM722, TMEM723, TMEM724, TMEM725, TMEM726, TMEM727, TMEM728, TMEM729, TMEM730, TMEM731, TMEM732, TMEM733, TMEM734, TMEM735, TMEM736, TMEM737, TMEM738, TMEM739, TMEM740, TMEM741, TMEM742, TMEM743, TMEM744, TMEM745, TMEM746, TMEM747, TMEM748, TMEM749, TMEM750, TMEM751, TMEM752, TMEM753, TMEM754, TMEM755, TMEM756, TMEM757, TMEM758, TMEM759, TMEM760, TMEM761, TMEM762, TMEM763, TMEM764, TMEM765, TMEM766, TMEM767, TMEM768, TMEM769, TMEM770, TMEM771, TMEM772, TMEM773, TMEM774, TMEM775, TMEM776, TMEM777, TMEM778, TMEM779, TMEM780, TMEM781, TMEM782, TMEM783, TMEM784, TMEM785, TMEM786, TMEM787, TMEM788, TMEM789, TMEM790, TMEM791, TMEM792, TMEM793, TMEM794, TMEM795, TMEM796, TMEM797, TMEM798, TMEM799, TMEM800, TMEM801, TMEM802, TMEM803, TMEM804, TMEM805, TMEM806, TMEM807, TMEM808, TMEM809, TMEM810, TMEM811, TMEM812, TMEM813, TMEM814, TMEM815, TMEM816, TMEM817, TMEM818, TMEM819, TMEM820, TMEM821, TMEM822, TMEM823, TMEM824, TMEM825, TMEM826, TMEM827, TMEM828, TMEM829, TMEM830, TMEM831, TMEM832, TMEM833, TMEM834, TMEM835, TMEM836, TMEM837, TMEM838, TMEM839, TMEM840, TMEM841, TMEM842, TMEM843, TMEM844, TMEM845, TMEM846, TMEM847, TMEM848, TMEM849, TMEM850, TMEM851, TMEM852, TMEM853, TMEM854, TMEM855, TMEM856, TMEM857, TMEM858, TMEM859, TMEM860, TMEM861, TMEM862, TMEM863, TMEM864, TMEM865, TMEM866, TMEM867, TMEM868, TMEM869, TMEM870, TMEM871, TMEM872, TMEM873, TMEM874, TMEM875, TMEM876, TMEM877, TMEM878, TMEM879, TMEM880, TMEM881, TMEM882, TMEM883, TMEM884, TMEM885, TMEM886, TMEM887, TMEM888, TMEM889, TMEM890, TMEM891, TMEM892, TMEM893, TMEM894, TMEM895, TMEM896, TMEM897, TMEM898, TMEM899, TMEM900, TMEM901, TMEM902, TMEM903, TMEM904, TMEM905, TMEM906, TMEM907, TMEM908, TMEM909, TMEM910, TMEM911, TMEM912, TMEM913, TMEM914, TMEM915, TMEM916, TMEM917, TMEM918, TMEM919, TMEM920, TMEM921, TMEM922, TMEM923, TMEM924, TMEM925, TMEM926, TMEM927, TMEM928, TMEM929, TMEM930, TMEM931, TMEM932, TMEM933, TMEM934, TMEM935, TMEM936, TMEM937, TMEM938, TMEM939, TMEM940, TMEM941, TMEM942, TMEM943, TMEM944, TMEM945, TMEM946, TMEM947, TMEM948, TMEM949, TMEM950, TMEM951, TMEM952, TMEM953, TMEM954, TMEM955, TMEM956, TMEM957, TMEM958, TMEM959, TMEM960, TMEM961, TMEM962, TMEM963, TMEM964, TMEM965, TMEM966, TMEM967, TMEM968, TMEM969, TMEM970, TMEM971, TMEM972, TMEM973, TMEM974, TMEM975, TMEM976, TMEM977, TMEM978, TMEM979, TMEM980, TMEM981, TMEM982, TMEM983, TMEM984, TMEM985, TMEM986, TMEM987, TMEM988, TMEM989, TMEM990, TMEM991, TMEM992, TMEM993, TMEM994, TMEM995, TMEM996, TMEM997, TMEM998, TMEM999, TMEM1000] |
| GO:0005576 | extracellular region                    | CellularComponent | 0.00 | [ABCB1, ABCB6, ABCC11, ACE, ACOT11, ACP2, ACP3, ACTR3B, ADAM11, ADAM12, ADAM19, ADAMTS15, ADAMTS3, ADAMTS6, ADAMTS8, ADAMTS5, ADCY1, ADGRB1, ADH6, ADM, ADM2, AGAP2, AGER, AGR2, AHSF, AKR1C1, AKR1C4, ALDH1L2, ALDH2, ALDH8A1, ALDOC, ALPL, ALYREF, AMBP, AMN, AMPD3, ANGPT1, ANGPTL1, ANGPTL4, ANO1, ANTXR2, ANXA6, ANXA8L1, ANXA9, AOX1, APC2, APOE, APOH, APOL1, APOM, APOO, AQP4, AREG, ARHGAP45, ARHGD1B, ARL4D, ARL6, ARL8B, ARMC3, ARPC5L, ARRDCA4, ARSA, ARSL, ASL, ASS1, ATP1A3, ATP2B4, ATP6V0A4, ATP6V1B1, ATP6V1C1, ATP6V1F, B4GALT3, B4GAT1, BAIAP2, BAIAP2L1, BCAS1, BCHE, BDH2, BMPEP, BPNT1, BRINP3, BST1, BTC, BTD, C11orf45, C12orf54, C12orf49, C12orf66, C17orf58, C17orf67, C1QL1, C1QL4, C1QTNF1, C1QTNF3, C1QTNF4, C1orf116, C2, C2orf69, C4A, C4BPA, C5, C5orf38, C6orf58, C7, C9orf47, CA11, CABYR, CAPN5, CC2D1A, CCDC126, CCDC3, CCK, CCL2, CCL26, CCL5, CCN5, CD14, CD22, CD38, CD40, CD47, CD58, CDC7, CDCP1, CDH17, CDHR3, CDON, CEACAM6, CEMIP, CES1, CES3, CES4A, CFAP58, CFAP70, CFD, CFH, CFHR3, CHAD, CHAMP1, CHGB, CHMP1B, CHMP4A, CHMP6, CHST14, CIB2, CKB, CKLF, CLEC11A, CMTM7, CMTM8, CNKSR2, CNTN1, CNTN5, COL11A2, COL12A1, COL13A1, COL16A1, COL17A1, COL1A1, COL26A1, COL28A1, COL4A3, COL4A6, COL5A1, COL6A1, COL9A3, COLQ, CP, CPA4, CPM, CPNE4, CPPE1, CPQ, CPVL, CRAT, CREG2, CRELD1, CRISPLD2, CRMB, CSF2RA, CSF2RB, CSNK2B, CST9, CTDSPL, CTHRC1, CTSH, CTSO, CTSV, CTSW, CUBN, CXCL1, CXCL2, CXCL3, CXCL5, CXCL8, CXCR4, CXXC1, CYSRT1, DDAH1, DDAH2, DDT, DDTL, DEFB1, DGCR6L, DHRS11, DHRSX, DKK1, DKK1L, DCL1, DLG3, DLL1, DMKN, DNAAF4, DDAH1, DDAH11, DNAJ3, DNAJ3L, DNASE1, DNASE1L2, DNHD1, DNM2, DNM3, DNPEP, DPP7, DPYSL3, DSC2, DSC3, DSCAML1, DSN1, DSP, DUSP26, DUSP28, ECM1, EDA, EDIL3, EDN2, EFNA1, EFNA4, EFNB1, EHD2, EHHADH, EIF6, ELFN2, EMILIN2, EML5, ENCI, ENDOU, ENOX1, ENOX2, EPCAM, EPHA3, EPHB3, EPHB6, EPN3, EPOR, ERAP1, ERBB3, EREG, F12, F13B, F7, FABP5, FAM184A, FAM234A, FAM3C, FBLN5, FCGBP, FCGRT, FERMT3, FGA, FGB, FGF12, FGF1, FGL2, FGF2, FGF3, FGL1, FGL2, FIBCD1, FKBP1, FLRT2, FLRT3, FMNL1, FN1, FNDC5, FRMD4B, FST, FSTL4, FSTL5, FUT8, FUZ, FXYD2, GABBR1, GALNS, GAS8, GBP4, GCNT1, GFRA1, GGA2, GGCT, GLB1L, GLB1L2, GLIPR1, GLIPR2, GLMN, GLUL, GMPPA, GNA13, GNB3, GNG2, GNG4, GNRH1, GPC2, GPC4, GPC6, GPD1, GPLD1, GPNMB, GPR155, GPRC5C, GPX3, GPX4, GREB1, GREM1, GREM2, GRIN1, GSDMD, GSTM4, GTPBP2, H2AC15, H2A21, H2BC5, H4C12, HAS3, HBEFG, HDHD2, HFE, HGD, HHIP, HHIPL2, HID1, HLA-DRA, HLA-F, HMOX1, HPD, HPSE, HSPA1A, HSPA1L, HSPG2, HTRA4, HYAL1, HYAL3, ICAM1, ICAM3, IDUA, IFNE, IGFBP2, IGFBP3, IGIP, IGSF1, IGSF10, IL11, IL15RA, IL17RB, IL18BP, IL1R1, IL1RAP, IL32, IL36B, IL4I1, IL7, IL7R, INHA, INHBA, INHBE, ISM1, ISM2, ITGA1, ITGA4, ITGB3, ITGB7, ITIH2, ITIH5, KAZALD1, KCP, KHK, KHSRP, KIF12, KIRREL3, KLHDC8B, KMO, KRT10, KRT15, KRT16, KRT19, KRT9, L1CAM, LAG3, LAMB4, LAP3, LCP1, LEFTY1, LEPR, LFNG, LGALS3, LGALS9, LGALS1, LIN7A, LIPC, LIPH, LOX, LOXL3, LRCH4, LRIG1, LRIG2, LRP2, LRRC24, LRRC6, LSR, LTBP1, LTBP2, LXN, LY6G5B, LY6K, LYG1, LYPD3, LYPD6, LYPLA2, MAL2, MAN1A1, MAN2B1, MANF, MAPT, MATN2, MATN3, MB, MCAM, MCF2L, MDGA1, MEGF6, MEGF9, MEST, MGAM, MICA, MICAL1, MICB, MID2, MIF, MME, MMP11, MMP16, MMP25, MMP28, MMP3, MOXD1, MPHOSPH6, MPP3, MR1, MRPL18, MRPL23, MSMP, MTMR11, MUC1, MUC16, MUC20, MUC3A, MUC5AC, MUC5B, MVB12B, MYH3, MYO5B, NAGA, NAPRT, NDNF, NDRG1, NDRG2, NEB, NETO1, NEU1, NHLRC3, NIBAN1, NINL, NKX6-1, NLGN1, NMB, NME2, NMU, NOG, NOTUM, NPB, NPHP3, NPHP3-ACAD11, NPHS1, NPPA, NPRL3, NPW, NRCAM, NRG2, NRG4, NRN1, NUCB1, NUDT1, NXPH3, NXPH4, OLFM1, OLFM2, OLFML1, OLFML2B, OLFML3, OSBPL1A, OSCAR, P2RX4, PADI2, PCDHA10, PCDHA6, PCIF1, PCLO, PCOLCE, PCSK1, PCSK1N, PCSK5, PCSK9, PCYOX1L, PDZD7, PGAM4, PGAP6, PGC, PLA2G15, PLA2G6, PLAC8, PLAT, PLCB1, PLPPR2, PMEL, PODNL1, PON1, PPPIA3, PPIC, PPL, PPM1L, PPP1R13L, PPT2, PRADC1, PRDX4, PRG4, PRH1, PRKAR2B, PRKCH, PRKCZ, PRNP, PROC, PRRG2, PRSS54, PRSS58, PSMB8, PSMB9, PRSS12, PRSS54, PRXL2B, PSMA1, PSMA2, PSMB8, PSMB9, PSMD12, PSPN, PTER, PTGS1, PTH2, PTHLH, PTPRC, PXDN, PYCARD, PYGL, QPCT, QPRT, RAB11FIP3, RAB27B, RAB33B, RAB3A, RAB43, RARRES1, RASSF9, RECK, REL2, REXO5, RFTN1, RIMS2, RNASET2, RPS26, RPS28, RS1, RSPQ3, RTN4RL1, RTN4RL2, RYR1, S100A16, S100P, SCG5, SCGB1A1, SCIN, SCNN1B, SCNNIG, SCEP1, SDC2, SDC3, SELENBP1, SEMA3B, SEMA3D, SEMA3E, SEMA4G, SEMA6A, SERAC1, SERINC2, SERPINA1, SERPINA6, SERPINB8, SERPINE2, SERPIN1, SFRP1, SFRP5, SGPP2, SH3BGR13, SHH, SHROOM2, SLC12A2, SLC12A3, SLC15A2, SLC1A4, SLC27A2, SLC2A1, SLC4A4, SLC5A10, SLC6A14, SLC9A3R2, SLIT1, SLIT2, SLIT3, SMOX, SMPD1, SMPDL3A, SMS, TMEM122, TMEM123, TMEM124, TMEM125, TMEM126, TMEM127, TMEM128, TMEM129, TMEM130, TMEM131, TMEM132, TMEM133, TMEM134, TMEM135, TMEM136, TMEM137, TMEM138, TMEM139, TMEM140, TMEM141, TMEM142, TMEM143, TMEM144, TMEM145, TMEM146, TMEM147, TMEM148, TMEM149, TMEM150, TMEM151, TMEM152, TMEM153, TMEM154, TMEM155, TMEM156, TMEM157, TMEM158, TMEM159, TMEM160, TMEM161, TMEM162, TMEM163, TMEM164, TMEM165, TMEM166, TMEM167, TMEM168, TMEM169, TMEM170, TMEM171, TMEM172, TMEM173, TMEM174, TMEM175, TMEM176, TMEM177, TMEM178, TMEM179, TMEM180, TMEM181, TMEM182, TMEM183, TMEM184, TMEM185, TMEM186, TMEM187, TMEM188, TMEM189, TMEM190, TMEM191, TMEM192, TMEM193, TMEM194, TMEM195, TMEM196, TMEM197, TMEM198, TMEM199, TMEM200, TMEM201, TMEM202, TMEM203, TMEM204, TMEM205, TMEM206, TMEM207, TMEM208, TMEM209, TMEM210, TMEM211, TMEM212, TMEM213, TMEM214, TMEM215, TMEM216, TMEM217, TMEM218, TMEM219, TMEM220, TMEM221, TMEM222, TMEM223, TMEM224, TMEM225, TMEM226, TMEM227, TMEM228, TMEM229, TMEM230, TMEM231, TMEM232, TMEM233, TMEM234, TMEM235, TMEM236, TMEM237, TMEM238, TMEM239, TMEM240, TMEM241, TMEM242, TMEM243, TMEM244, TMEM245, TMEM246, TMEM247, TMEM248, TMEM249, TMEM250, TMEM251, TMEM252, TMEM253, TMEM254, TMEM255, TMEM256, TMEM257, TMEM258, TMEM259, TMEM260, TMEM261, TMEM262, TMEM263, TMEM264, TMEM265, TMEM266, TMEM267, TMEM268, TMEM269, TMEM270, TMEM271, TMEM272, TMEM273, TMEM274, TMEM275, TMEM276, TMEM277, TMEM278, TMEM279, TMEM280, TMEM281, TMEM282, TMEM283, TMEM284, TMEM285, TMEM286, TMEM287, TMEM288, TMEM289, TMEM290, TMEM291, TMEM292, TMEM293, TMEM294, TMEM295, TMEM296, TMEM297, TMEM298, TMEM299, TMEM300, TMEM301, TMEM302, TMEM303, TMEM304, TMEM305, TMEM306, TMEM307, TMEM308, TMEM309, TMEM310, TMEM311, TMEM312, TMEM313, TMEM314, TMEM315, TMEM316, TMEM317, TMEM318, TMEM319, TMEM320, TMEM321, TMEM322, TMEM323, TMEM324, TMEM325, TMEM326, TMEM327, TMEM328, TMEM329, TMEM330, TMEM331, TMEM332, TMEM333, TMEM334, TMEM335, TMEM336, TMEM337, TMEM338, TMEM339, TMEM340, TMEM341, TMEM342, TMEM343, TMEM344, TMEM345, TMEM346, TMEM347, TMEM348, TMEM349, TMEM350, TMEM351, TMEM352, TMEM353, TMEM354, TMEM355, TMEM356, TMEM357, TMEM358, TMEM359, TMEM360, TMEM361, TMEM362, TMEM363, TMEM364, TMEM365, TMEM366, TMEM367, TMEM368, TMEM369, TMEM370, TMEM371, TMEM372, TMEM373, TMEM374, TMEM375, TMEM376, TMEM377, TMEM378, TMEM379, TMEM380, TMEM381, TMEM382, TMEM383, TMEM384, TMEM385, TMEM386, TMEM387, TMEM388, TMEM389, TMEM390, TMEM391, TMEM392, TMEM393, TMEM394, TMEM395, TMEM396, TMEM397, TMEM398, TMEM399, TMEM400, TMEM401, TMEM402, TMEM403, TMEM404, TMEM405, TMEM406, TMEM407, TMEM408, TMEM409, TMEM410, TMEM411, TMEM412, TMEM413, TMEM414, TMEM415, TMEM416, TMEM417, TMEM418, TMEM419, TMEM420, TMEM421, TMEM422, TMEM423, TMEM424, TMEM425, TMEM426, TMEM427, TMEM428, TMEM429, TMEM430, TMEM431, TMEM432, TMEM433, TMEM434, TMEM435, TMEM436, TMEM437, TMEM438, TMEM439, TMEM440, TMEM441, TMEM442, TMEM443, TMEM444, TMEM445, TMEM446, TMEM447, TMEM448, TMEM449, TMEM450, TMEM451, TMEM452, TMEM453, TMEM454, TMEM455, TMEM456, TMEM457, TMEM458, TMEM459, TMEM460, TMEM461, TMEM462, TMEM463, TMEM464, TMEM465, TMEM466, TMEM467, TMEM468, TMEM469, TMEM470, TMEM471, TMEM472, TMEM473, TMEM474, TMEM475, TMEM476, TMEM477, TMEM478, TMEM479, TMEM480, TMEM481, TMEM482, TMEM483, TMEM484, TMEM485, TMEM486, TMEM487, TMEM488, TMEM489, TMEM490, TMEM491, TMEM492, TMEM493, TMEM494, TMEM495, TMEM496, TMEM497, TMEM498, TMEM499, TMEM500, TMEM501, TMEM5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|            |           |                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------|-----------|-------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GO:0005737 | cytoplasm | CellularComponent | 0.00 | [A1CF, A4GALT, AADAC, AASS, ABCA2, ABCA7, ABCB6, ABCB9, ABCC11, ABCC6, ABCC8, ABCD3, ABCG1, ABHD11, ABHD13, ABHD5, ABHD6, ABLIM2, ABLIM3, ACADL, ACADS, ACAP1, ACE, ACER2, ACKR3, ACOT11, ACOT2, ACOX2, ACP2, ACP3, ACSBG1, ACSL1, ACSS3, ACTR3B, ACTRT3, ACVR2A, ADAM19, ADAP1, ADAP2, ADCY1, ADCY3, ADGRB1, ADH1C, ADH6, ADM, ADORA1, ADRA1B, ADRB2, ADSS1, AFAP1, AFAP1L1, AFAP1L2, AFG1L, AGAP2, AGPAT4, AGR2, AHRR, AHSG, AIFM3, AIRE, AK7, AK8, AK9, AKAP3, AKAP5, AKRIC1, AKRIC2, AKRIC4, ALDH1A2, ALDH1L2, ALDH2, ALDH4A1, ALDH5A1, ALDH8A1, ALDOC, ALG1, ALG10, ALG14, ALKBH4, ALOX5AP, ALS2CL, ALX1, ALYREF, AMACR, AMDHD1, AMMECR1, AMN, AMOT, AMPD3, ANAPC10, ANAPC15, ANK2, ANK3, ANKRD1, ANKRD13A, ANKRD2, ANKRD23, ANKRD37, ANKRD54, ANKS1B, ANKZF1, ANO1, ANO7, ANO8, ANTXR2, ANXA6, ANXA8L1, ANXA9, AOC2, AOC3, AOX1, AP1S2, AP4B1, AP5B1, AP5Z1, APBA3, APBB1, APC2, APH1B, APOE, APOH, APOL1, APOO, APPBP2, AQP11, AQP4, AQP7, ARAF, ARAP2, ARAP3, AREG, ARFGAP2, ARFIP1, ARG2, ARHGAP20, ARHGAP22, ARHGAP27, ARHGAP33, ARHGAP39, ARHGAP44, ARHGAP45, ARHGAP8, ARHGDI1B, ARHGEF10L, ARHGEF17, ARHGEF19, ARHGEF37, ARHGEF4, ARL14, ARL14EP, ARL17B, ARL4D, ARL5B, ARL5C, ARL6, ARL8B, ARMCX6, ARPC5L, ARRD4, ARSA, ARSD, ARSL, ARV1, ARX, ASB9, ASB, ASB3, ASB4, ASB7, ASB8, ASB9, ASIC3, ASL, ASMT, ASMTL, ASS1, ATAD3A, ATF5, ATF7, ATG101, ATG4C, ATP10A, ATP10D, ATP1A3, ATP23, ATP2A1, ATP2A3, ATP2B4, ATP5F1D, ATP5MGL, ATP6V0A2, ATP6V0A4, ATP6V0E2, ATP6V1B1, ATP6V1C1, ATP6V1F, ATP7A, ATP8B3, ATP8B4, ATP9B, AUH, AUNIP, AURKAIP1, AUTS2, AXIN2, B3GALT1, B3GALT4, B3GALT5, B3GALT7, B4GALT3, B4GALT7, B4GAT1, BABAM1, BACE1, BACH2, BAIAP2, BAIAP2L1, BAIAP3, BBS5, BCAS1, BCAS4, BCHE, BCL11A, BCL11B, BCL2, BCL2A1, BCL2L14, BCL2L15, BCL6, BCL9, BCL9, BCO1, BDH1, BDH2, BEX2, BEX4, BIRC7, BLID, BLM, BLOC1S3, BLOC1S4, BLOC1S5, BMF, BNIP3L, BNIPL, BOD1, BOLA3, BORCS7, BORCS8, BPHL, BPNT1, BRAF, BRAT1, BRCA2, BRI3BP, BRINP3, BSCL2, BSN, BST1, BTBD8, BTC, BTD, BTN3A3, BYSL, C11orf24, C12orf66, C15orf48, C18orf32, C1D, C1GALT1, C1QL1, C1QTNF1, C1orf109, C1orf116, C2CD2, C3orf20, C4A, C4orf46, C8orf88, CA8, CAB39L, CABCO1, CABYR, CACNB4, CACNG4, CACNG7, CACNG8, CAMKMT, CAMKV, CAMLG, CAMSAP3, CAPN12, CAPN15, CAPN5, CARMIL2, CARMIL3, CARN1, CASKIN1, CASP6, CASS4, CASZ1, CATIP, CAVIN4, CBLB, CBL11, CBS, CBX7, CC2D1A, CCDC106, CCDC120, CCDC125, CCDC136, CCDC146, CCDC181, CCDC3, CCDC38, CCDC62, CCDC92, CCDC96, CCL5, CCNE1, CCN2, CCN1, CCNO, CCR1, CCSAP, CCZ1B, CD14, CD22, CD302, CD38, CD40, CD47, CD58, CDADC1, CDAN1, CDC25A, CDC42EP1, CDC42EP2, CDC42EP3, CDC7, CDCA5, CDH3, CDK14, CDK18, CDK2AP1, CDK5R2, CDK5RAP3, CDKN1C, CDKN2D, CDS1, CEACAM6, CEMIP, CEMP1, CENPL, CENPS, CENPT, CENPV, CEP112, CEP120, CEP162, CEP295NL, CEP43, CEP57L1, CEP72, CEP85L, CES1, CES3, CFAP298, CFAP300, CFAP410, CFAP43, CFAP70, CFD, CFH, CGRRF1, CHAC1, CHAC2, CHAMP1, CHD1, CHD3, CHD5, CHD9, CHGB, CHIC2, CHMP1B, CHMP4A, CHMP6, CHRNB4, CHST10, CHST13, CHST14, CHST6, CHSY3, CHTF18, CIAO2B, CIAO3, CIAPIN1, CIB2, CIBAR1, CIDEB, CIITA, CISH, CITED4, CKB, CLBA1, CLCN4, CLCN5, CLCN6, CLCN7, CLDN3, CLEC11A, CLEC16A, CLEC2D, CLIP3, CLMP, CLSPN, CLVS1, CLYBL, CMTM8, CNEP1R1, CNIH2, CNIH3, CNKSR2, CNOT3, CNRIP1, CNST, COA5, COG5, COL11A2, COL12A1, COL13A1, COL16A1, COL17A1, COL1A1, COL26A1, COL28A1, COL4A3, COL4A6, COL5A1, COL6A1, COL9A3, COMMD1, COMMD10, COMMD4, COPS6, COP22, COQ10A, COQ7, CORO2B, COX6A1, COX7A1, COX8A, CP, CPA4, CPPED1, CPQ, CPS1, CPT1C, CRAT, CREB3, CREB3L1, CREG2, CREM, CRIP2, CRISPLD2, CRMP1, CRYAB, CSKMT, CSNK2B, CSRP2, CTHRC1, CTNNA2, CTNNAL1, CTNND2, CTSH, CTSO, CTSV, CTSW, CUBN, CXCL1, CXCR4, CXXC1, CXXC4, CXXC5, CYBC1, CYP1A1, CYP1B1, CYP26A1, CYP27A1, CYP27B1, CYP27C1, CYP39A1, CYP4F12, CYP4F22, DAAM1, DACT1, DBND2, DCAF8, DDC2, DCK, DCLRE1B, DCP2, DCTN3, DCTN6, DDAH1, DDAH2, DDIA5, DDIT4, DDN, DDT, DDTL, DECR2, DEDD, DEFB1, DEGS2, DELE1, DENND6B, DEPD2, DERL3, DGAT1, DGAT2, DGKE, DGKQ, DGKQ, DHCR7, DHFR2, DHODH, DHRS1, DHRS2, DHRS4, DIS3L, DISC1, DKK1, DKK1L, DKL1, DLEC1, DLG3, DLL1, DMAC1, DMAC2L, DMD, DMPK, DMTN, DNEAF3, DNEAF4, DNAH1, DNAH11, DNAH12, DNAH17, DNAH2, DNAH6, DNAJA1, DNAJB11, DNAJB13, DNAJC1, DNAJC2, DNAJC3, DNAJC30, DNAL4, DNASE1L2, DNER, DNHD1, DNM2, DNM3, DNPEP, DOC2A, DOCK3, DOCK6, DOHH, DOK5, DOK6, DOK7, DOLPP1, DPF1, DPH1, DPM3, DPP7, DPYD, DPYSL3, DRD1, DSC2, DSC3, DSN1, DSP, DTYMK, DUSP19, DUSP26, DUSP28, DUSP7, DUSP8, DXO, DYNLL2, DYNLT3, DYRK3, ECI1, ECM1, EDARADD, EEF1AKMT1, EEF1E1, EEF2KMT, EEFSEC, EFN1, EGN3, EGR1, EHD2, EHHADH, EIF6, ELAC1, ELK1, ELL2, ELOF1, ELOVL4, ELOVL7, EML5, ENC1, ENDOG, ENKUR, EPC1, EPHA3, EPHA4, EPHA5, EPN3, EPOF, ERAP1, ERAP2, ERCC2, ERCC8, EREG, ERLIN2, ERO1B, ESR2, ESRP1, ESRRG, ESYT3, ETAA1, ETFBMT, ETNPPL, ETV2, EVA1A, EVC, EVC2, EXO5, EXOG, EXOSC1, EXPH5, F1F1, F1F2, F1F3, F1F4, F1F5, F1F6, F1F7, F1F8, F1F9, F1F10, F1F11, F1F12, F1F13, F1F14, F1F15, F1F16, F1F17, F1F18, F1F19, F1F20, F1F21, F1F22, F1F23, F1F24, F1F25, F1F26, F1F27, F1F28, F1F29, F1F30, F1F31, F1F32, F1F33, F1F34, F1F35, F1F36, F1F37, F1F38, F1F39, F1F40, F1F41, F1F42, F1F43, F1F44, F1F45, F1F46, F1F47, F1F48, F1F49, F1F50, F1F51, F1F52, F1F53, F1F54, F1F55, F1F56, F1F57, F1F58, F1F59, F1F60, F1F61, F1F62, F1F63, F1F64, F1F65, F1F66, F1F67, F1F68, F1F69, F1F70, F1F71, F1F72, F1F73, F1F74, F1F75, F1F76, F1F77, F1F78, F1F79, F1F80, F1F81, F1F82, F1F83, F1F84, F1F85, F1F86, F1F87, F1F88, F1F89, F1F90, F1F91, F1F92, F1F93, F1F94, F1F95, F1F96, F1F97, F1F98, F1F99, F1F100, F1F101, F1F102, F1F103, F1F104, F1F105, F1F106, F1F107, F1F108, F1F109, F1F110, F1F111, F1F112, F1F113, F1F114, F1F115, F1F116, F1F117, F1F118, F1F119, F1F120, F1F121, F1F122, F1F123, F1F124, F1F125, F1F126, F1F127, F1F128, F1F129, F1F130, F1F131, F1F132, F1F133, F1F134, F1F135, F1F136, F1F137, F1F138, F1F139, F1F140, F1F141, F1F142, F1F143, F1F144, F1F145, F1F146, F1F147, F1F148, F1F149, F1F150, F1F151, F1F152, F1F153, F1F154, F1F155, F1F156, F1F157, F1F158, F1F159, F1F160, F1F161, F1F162, F1F163, F1F164, F1F165, F1F166, F1F167, F1F168, F1F169, F1F170, F1F171, F1F172, F1F173, F1F174, F1F175, F1F176, F1F177, F1F178, F1F179, F1F180, F1F181, F1F182, F1F183, F1F184, F1F185, F1F186, F1F187, F1F188, F1F189, F1F190, F1F191, F1F192, F1F193, F1F194, F1F195, F1F196, F1F197, F1F198, F1F199, F1F200, F1F201, F1F202, F1F203, F1F204, F1F205, F1F206, F1F207, F1F208, F1F209, F1F210, F1F211, F1F212, F1F213, F1F214, F1F215, F1F216, F1F217, F1F218, F1F219, F1F220, F1F221, F1F222, F1F223, F1F224, F1F225, F1F226, F1F227, F1F228, F1F229, F1F230, F1F231, F1F232, F1F233, F1F234, F1F235, F1F236, F1F237, F1F238, F1F239, F1F240, F1F241, F1F242, F1F243, F1F244, F1F245, F1F246, F1F247, F1F248, F1F249, F1F250, F1F251, F1F252, F1F253, F1F254, F1F255, F1F256, F1F257, F1F258, F1F259, F1F260, F1F261, F1F262, F1F263, F1F264, F1F265, F1F266, F1F267, F1F268, F1F269, F1F270, F1F271, F1F272, F1F273, F1F274, F1F275, F1F276, F1F277, F1F278, F1F279, F1F280, F1F281, F1F282, F1F283, F1F284, F1F285, F1F286, F1F287, F1F288, F1F289, F1F290, F1F291, F1F292, F1F293, F1F294, F1F295, F1F296, F1F297, F1F298, F1F299, F1F300, F1F301, F1F302, F1F303, F1F304, F1F305, F1F306, F1F307, F1F308, F1F309, F1F310, F1F311, F1F312, F1F313, F1F314, F1F315, F1F316, F1F317, F1F318, F1F319, F1F320, F1F321, F1F322, F1F323, F1F324, F1F325, F1F326, F1F327, F1F328, F1F329, F1F330, F1F331, F1F332, F1F333, F1F334, F1F335, F1F336, F1F337, F1F338, F1F339, F1F340, F1F341, F1F342, F1F343, F1F344, F1F345, F1F346, F1F347, F1F348, F1F349, F1F350, F1F351, F1F352, F1F353, F1F354, F1F355, F1F356, F1F357, F1F358, F1F359, F1F360, F1F361, F1F362, F1F363, F1F364, F1F365, F1F366, F1F367, F1F368, F1F369, F1F370, F1F371, F1F372, F1F373, F1F374, F1F375, F1F376, F1F377, F1F378, F1F379, F1F380, F1F381, F1F382, F1F383, F1F384, F1F385, F1F386, F1F387, F1F388, F1F389, F1F390, F1F391, F1F392, F1F393, F1F394, F1F395, F1F396, F1F397, F1F398, F1F399, F1F400, F1F401, F1F402, F1F403, F1F404, F1F405, F1F406, F1F407, F1F408, F1F409, F1F410, F1F411, F1F412, F1F413, F1F414, F1F415, F1F416, F1F417, F1F418, F1F419, F1F420, F1F421, F1F422, F1F423, F1F424, F1F425, F1F426, F1F427, F1F428, F1F429, F1F430, F1F431, F1F432, F1F433, F1F434, F1F435, F1F436, F1F437, F1F438, F1F439, F1F440, F1F441, F1F442, F1F443, F1F444, F1F445, F1F446, F1F447, F1F448, F1F449, F1F450, F1F451, F1F452, F1F453, F1F454, F1F455, F1F456, F1F457, F1F458, F1F459, F1F460, F1F461, F1F462, F1F463, F1F464, F1F465, F1F466, F1F467, F1F468, F1F469, F1F470, F1F471, F1F472, F1F473, F1F474, F1F475, F1F476, F1F477, F1F478, F1F479, F1F480, F1F481, F1F482, F1F483, F1F484, F1F485, F1F486, F1F487, F1F488, F1F489, F1F490, F1F491, F1F492, F1F493, F1F494, F1F495, F1F496, F1F497, F1F498, F1F499, F1F500, F1F501, F1F502, F1F503, F1F504, F1F505, F1F506, F1F507, F1F508, F1F509, F1F510, F1F511, F1F512, F1F513, F1F514, F1F515, F1F516, F1F517, F1F518, F1F519, F1F520, F1F521, F1F522, F1F523, F1F524, F1F525, F1F526, F1F527, F1F528, F1F529, F1F530, F1F531, F1F532, F1F533, F1F534, F1F535, F1F536, F1F537, F1F538, F1F539, F1F540, F1F541, F1F542, F1F543, F1F544, F1F545, F1F546, F1F547, F1F548, F1F549, F1F550, F1F551, F1F552, F1F553, F1F554, F1F555, F1F556, F1F557, F1F558, F1F559, F1F560, F1F561, F1F562, F1F563, F1F564, F1F565, F1F566, F1F567, F1F568, F1F569, F1F570, F1F571, F1F572, F1F573, F1F574, F1F575, F1F576, F1F577, F1F578, F1F579, F1F580, F1F581, F1F582, F1F583, F1F584, F1F585, F1F586, F1F587, F1F588, F1F589, F1F590, F1F591, F1F592, F1F593, F1F594, F1F595, F1F596, F1F597, F1F598, F1F599, F1F600, F1F601, F1F602, F1F603, F1F604, F1F605, F1F606, F1F607, F1F608, F1F609, F1F610, F1F611, F1F612, F1F613, F1F614, F1F615, F1F616, F1F617, F1F618, F1F619, F1F620, F1F621, F1F622, F1F623, F1F624, F1F625, F1F626, F1F627, F1F628, F1F629, F1F630, F1F631, F1F632, F1F633, F1F634, F1F635, F1F636, F1F637, F1F638, F1F639, F1F640, F1F641, F1F642, F1F643, F1F644, F1F645, F1F646, F1F647, F1F648, F1F649, F1F650, F1F651, F1F652, F1F653, F1F654, F1F655, F1F656, F1F657, F1F658, F1F659, F1F660, F1F661, F1F662, F1F663, F1F664, F1F665, F1F666, F1F667, F1F668, F1F669, F1F670, F1F671, F1F672, F1F673, F1F674, F1F675, F1F676, F1F677, F1F678, F1F679, F1F680, F1F681, F1F682, F1F683, F1F684, F1F685, F1F686, F1F687, F1F688, F1F689, F1F690, F1F691, F1F692, F1F693, F1F694, F1F695, F1F696, F1F697, F1F698, F1F699, F1F700, F1F701, F1F702, F1F703, F1F704, F1F705, F1F706, F1F707, F1F708, F1F709, F1F710, F1F711, F1F712, F1F713, F1F714, F1F715, F1F716, F1F717, F1F718, F1F719, F1F720, F1F721, F1F722, F1F723, F1F724, F1F725, F1F726, F1F727, F1F728, F1F729, F1F730, F1F731, F1F732, F1F733, F1F734, F1F735, F1F736, F1F737, F1F738, F1F739, F1F740, F1F741, F1F742, F1F743, F1F744, F1F745, F1F746, F1F747, F1F748, F1F749, F1F750, F1F751, F1F752, F1F753, F1F754, F1F755, F1F756, F1F757, F1F758, F1F759, F1F760, F1F761, F1F762, F1F763, F1F764, F1F765, F1F766, F1F767, F1F768, F1F769, F1F770, F1F771, F1F772, F1F773, F1F774, F1F775, F1F776, F1F777, F1F778, F1F779, F1F780, F1F781, F1F782, F1F783, F1F784, F1F785, F1F786, F1F787, F1F788, F1F789, F1F790, F1F791, F1F792, F1F793, F1F794, F1F795, F1F796, F1F797, F1F798, F1F799, F1F800, F1F801, F1F802, F1F803, F1F804, F1F805, F1F806, F1F807, F1F808, F1F809, F1F810, F1F811, F1F812, F1F813, F1F814, F1F815, F1F816, F1F817, F1F818, F1F819, F1F820, F1F821, F1F822, F1F823, F1F824, F1F825, F1F826, F1F827, F1F828, F1F829, F1F830, F1F831, F1F832, F1F833, F1F834, F1F835, F1F836, F1F837, F1F838, F1F839, F1F840, F1F841, F1F842, F1F843, F1F844, F1F845, F1F846, F1F847, F1F848, F1F849, F1F850, F1F851, F1F852, F1F853, F1F854, F1F855, F1F856, F1F857, F1F858, F1F859, F1F860, F1F861, F1F862, F1F863, F1F864, F1F865, F1F866, F1F867, F1F868, F1F869, F1F870, F1F871, F1F872, F1F873, F1F874, F1F875, F1F876, F1F877, F1F878, F1F879, F1F880, F1F881, F1F882, F1F883, F1F884, F1F885, F1F886, F1F887, F1F888, F1F889, F1F890, F1F891, F1F892, F1F893, F1F894, F1F895, F1F896, F1F897, F1F898, F1F899, F1F900, F1F901, F1F902, F1F903, F1F904, F1F905, F1F906, F1F907, F1F908, F1F909, F1F910, F1F911, F1F912, F1F913, F1F914, F1F915, F1F916, F1F917, F1F918, F1F919, F1F920, F1F921, F1F922, F1F923, F1F924, F1F925, F1F926, F1F927, F1F928, F1F929, F1F930, F1F931, F1F932, F1F933, F1F934, F1F935, F1F936, F1F937, F1F938, F1F939, F1F940, F1F941, F1F942, F1F943, F1F944, F1F945, F1F946, F1F947, F1F948, F1F949, F1F950, F1F951, F1F952, F1F953, F1F954, F1F955, F1F956, F1F957, F1F958, F1F959, F1F960, F1F961, F1F962, F1F963, F1F964, F1F965, F1F966, F1F967, F1F968, F1F969, F1F970, F1F971, F1F972, F1F973, F1F974, F1F975, F1F976, F1F977, F1F978, F1F979, F1F980, F1F981, F1F982, F1F983, F1F984, F1F985, F1F986, F1F987, F1F988, F1F989, F1F990, F1F991, F1F992, F1F993, F1F994, F1F995, F1F996, F1F997, F1F998, F1F999, F2000, F2001, F2002, F2003, F2004, F2005, F2006, F2007, F2008, F2009, F2010, F2011, F2012, F2013, F2014, F2015, F2016, F2017, F2018, F2019, F2020, F2021, F2022, F2023, F2024, F2025, F2026, F2027, F2028, F2029, F2030, F2031, F2032, F2033, F2034, F2035, F2036, F2037, F2038, F2039, F2040, F2041, F2042, F2043, F2044, F2045, F2046, F2047, F2048, F2049, F2050, F2051, F2052, F2053, F2054, F2055, F2056, F2057, F2058, F2059, F2060, F2061, F2062, F2063, F2064, F2065, F2066, F2067, F2068, F2069, F2070, F2071, F2072, F2073, F2074, F2075, F2076, F2077, F2078, F2079, F2080, F2081, F2082, F2083, F2084, F2085, F2086, F2087, F2088, F2089, F2090, F2091, F2092, F2093, F2094, F2095, F2096, F2097, F2098, F2099, F2100, F2101, F2102, F2103, F2104, F2105, F2106, F2107, F2108, F2109, F2110, F2111, F2112, F2113, F2114, F2115, F2116, F2117, F2118, F2119, F2120, F2121, F2122, F2123, F2124, F2125, F2126, F2127, F2128, F2129, F2130, F2131, F2132, F2133, F2134, F2135, F2136, F2137, F2138, F2139, F2140, F2141, F2142, F2143, F2144, F2145, F2146, F2147, F2148, F2149, F2150, F2151, F2152, F2153, F2154, F2155, F2156, F2157, F2158, F2159, F2160, F2161, F2162, F2163, F2164, F2165, F2166, F2167, F2168, F2169, F2170, F2171, F2172, F2173, F2174, F2175, F2176, F2177, F2178, F2179, F2180, F2181, F2182, F2183, F2184, F2185, F2186, F2187, F2188, F2189, F2190, F2191, F2192, F2193, F2194, F2195, F2196, F2197, F2198, F2199, F2200, F2201, F2202, F2203, F2204, F2205, F2206, F2207, F2208, F2209, F2210, F2211, F2212, F2213, F2214, F2215, F2216, F2217, F2218, F2219, F2220, F2221, F2222, F2223, F2224, F2225, F2226, F2227, F2228, F2229, F2230, F2231, F2232, F2233, F2234, F2235, F2236, F2237, F2238, F2239, F2240, F2241, F2242, F2243, F2244, F2245, F2246, F2247, F2248, F2249, F2250, F2251, F2252, F2253, F2254, F2255, F2256, F2257, F2258, F2259, F2260, F2261, F2262, F2263, F2264, F2265, F2266, F2267, F2268, F2269, F2270, F2271, F2272, F2273, F2274, F2275, F2276, F2277, F2278, F2279, F2280, F2281, F2282, F2283, F2284, F2285, F2286, F2287, F2288, F2289, F2290, F2291, F2292, F2293, F2294, F2295, F2296, F2297, F2298, F2299, F2300, F2301, F2302, F2303, F2304, F2305, F2306, F2307, F2308, F2309, F2310, F2311, F2312, F2313, F2314, F2315, F2316, F2317, F2318, F2319, F2320, F2321, F2322, F2323, F2324, F2325, F2326, F2327, F2328, F2329, F2330, F2331, F2332, F2333, F2334, F2335, F2336, F2337, F2338, F2339, F2340, F2341, F2342, F2343, F2344, F2345, F2346, F2347, F2348, F2349, F2350, F2351, F2352, F2353, F2354, F2355, F2356, F2357, F2358, F2359, F2360, F2361, F2362, F2363, F2364, F2365, F2366, F2367, F2368, F2369, F2370, F2371, F2372, F2373, F2374, F2375, F2376, F2377, F2378, F2379, F2380, F2381, F2382, F2383, F2384, F2385, F2386, F2387, F2388, F2389, F2390, F2391, F2392, F2393, F2394, F2395, F2396, F2397, F2398, F2399, F2400, F2401, F2402, F2403, F2404, F2405, F2406, F2407, F2408, F2409, F2410, F2411, F2412, F2413, F2414, F2415, F2416, F2417, F2418, F2419, F24 |
|------------|-----------|-------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|            |                          |                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------|--------------------------|-------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GO:0005003 | ephrin receptor activity | MolecularFunction | 0.00 | [EFNA3, EFNA4, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHB3, EPHB6, NTRK3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| GO:0008410 | CoA-transferase activity | MolecularFunction | 0.00 | [AMACR, CHRFAM7A, CHRNA7, OXCT1, OXCT2, SUGCT, TSPO]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| GO:0045296 | cadherin binding         | MolecularFunction | 0.00 | [ABCF3, ANK3, BAIAP2, BAIAP2L1, CC2D1A, CDC42EP1, CDH17, CDH3, CDH4, CDH6, CDHR3, CHMP4A, CTNNA2, CTNNAL1, CTNND2, EPCAM, H1-10, HSPA1A, LYPLA2, MICALL1, MPP7, NCK1, NDRG1, P2RX4, PKP2, PPL, PPP1R13L, PTPRH, RAB43, RPS26, S100P, SLC9A3R2, SPTBN2, STX5, TBC1D2, TRIM29]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| GO:0043169 | cation binding           | MolecularFunction | 0.00 | [ABLM2, ABLIM3, ACAP1, ACAP3, ACE, ACER2, ACVR2A, ACVRL1, ADAM12, ADAM19, ADAMTS15, ADAMTS3, ADAMTS6, ADAMTS8, ADAP1, ADAP2, ADCY1, ADCY3, ADCY5, ADGRE1, ADH1C, ADH6, ADSS1, AGAP2, AGAP4, AGAP6, AHRR, AIFM3, AIRE, ALKBH4, ALPL, AMDHD1, AMPD3, AMZ1, AMZ2, ANKZF1, ANO1, ANTXR2, ANXA6, ANXA8L1, ANXA9, AOC2, AOC3, AOX1, APOE, ARAF, ARAP2, ARAP3, AREG, ARFGAP2, ARG2, ARHGAP45, ARL4D, ARL6, ARMT1, ARSA, ARSD, ARSL, ASPHD2, ATAD3A, ATF7, ATP10A, ATP10D, ATP1A3, ATP23, ATP2A1, ATP2A3, ATP2B4, ATP7A, ATP8B3, ATP8B4, ATP9B, B3GAT2, B4GALT3, B4GAT1, BAIAP3, BCHE, BCL11A, BCL11B, BCL6, BCO1, BIRC7, BLM, BPNT1, BRAF, BSN, C11orf54, C1D, C1GALT1, C2, CA11, CA8, CA9, CABCOCO1, CABYR, CACNA1H, CALML4, CAPN12, CAPN15, CARN3, CASZ1, CBLB, CBL1, CBS, CCDC106, CDADCI, CDC7, CDH17, CDH3, CDH4, CDH6, CDHR3, CENPV, CFH, CGRRF1, CHAMP1, CHD3, CHD5, CHRFAM7A, CHRNA7, CHRNBA7, CHSY3, CIAO3, CIAPIN1, CIB2, CIB4, CLYBL, CNKSR2, CNRIP1, COL11A2, COL1A1, COL5A1, COMMD1, COQ7, CP, CPA4, CPM, CPNE4, CPPE1, CPQ, CPS1, CRAT, CRELD1, CRIP2, CRYAB, CSNK2B, CSRP2, CTDSPL, CUBN, CXCR4, CXXC1, CXXC4, CXXC5, CYP1A1, CYP1B1, CYP26A1, CYP27A1, CYP27B1, CYP27C1, CYP39A1, CYP4F12, CYP4F22, DCF2, DDAH1, DGKE, DGKG, DGKQ, DLK2, DLL1, DMAC2L, DMD, DMPK, DMRTA1, DMRTA2, DNAJA1, DNASE1L2, DNER, DNPEP, DOCA2, DOHH, DPF1, DPYD, DRD1, DSC2, DSC3, DUS3L, DXO, DYRK3, DZANK1, EBF1, EBF2, EBF3, EBF4, EDIL3, EFCAB10, EFCAB11, EFCAB6, EFCAB7, EFHC1, EGLN3, EGR1, EHD2, ELAC1, ELOF1, END OG, ENDOU, ENO4, ERAP1, ERAP2, ERCC2, ESR2, ESRRG, ESYT3, EXD3, EXO5, EXOG, EXT1, EYA1, EYA2, F12, F7, FA2H, FAHD2A, FAT3, FAXDC2, FBLIM1, FBLN5, FGA, FGD4, FIBCD1, FKBP7, FNTB, FOXE1, FOXP1, FOXP2, FOXP4, FPGT-TNNI3K, FSTL4, FSTL5, FXN, GALNS, GALNT16, GALNT17, GALNT5, GALNT9, GALT, GATA2, GATA3, GATA5, GATA6, GCH1, GJB2, GLI1, GLI2, GLI3, GLRX5, GLUL, GMIP, GNA13, GORASP1, GPHN, GRIN1, GRIN2B, GTF2E1, GTF2H2, GTF2H2C, GUCA1B, GYG2, HAGHL, HDAC9, HDHD2, HFE, HGD, HHIP, HINFP, HIVEP3, HMGCL, HMGCLL1, HMOX1, HNF1A, HNF4A, HPD, HR, HSPG2, IFIH1, IGFBP3, IGHMBP2, IKZF4, IMPA1, ING1, ING4, INPP1, INTS12, IPMK, ISG20, ITGA1, ITGA7, ITGA9, ITGA7, ITGA9, ITGAM, ITGAX, ITGB7, JAZF1, JMDJ7, KAT5, KAT6B, KCND2, KCNJ11, KDM4C, KDM5B, KDM7A, KHSRP, KLF16, KLF2, KLF4, KLF7, KLF9, KSR2, L3MBTL1, LAP3, LCP1, LFNG, LHPP, LHX4, LHX6, LHX8, LHX9, LIMS1, LIPC, LMO2, LMTK3, LONRF2, LOX, LOXL3, LRIG1, LRP1, LRP2, LTBP1, LTBP2, MAK, MAN1A1, MAN2B1, MAP2K5, MAP3K1, MAP3K15, MAP3K6, MAPRE3, MAST1, MAST2, MATN3, MATR3, MB, MBTPS2, MEGF6, MICAL1, MICAL2, MICAL3, MICU3, MID1, MID2, MKRN3, MME, MMP11, MMP16, MMP25, MMP28, MMP3, MOB2, MOB4, MOXD1, MPPE1, MPPE2, MSRB2, MSS51, MT1X, MTHFS, MTPAP, MVK, NAALAD2, NAGS, NANOS1, NANOS3, NAPRT, NCALD, NDRG1, NDUFS7, NECAB2, NECAB3, NEKA, NEK8, NEURL1B, NEURL3, NHLRC1, NINL, NKD1, NKD2, NME2, NME3, NME4, NMRK1, NOS2, NOX5, NPEPL1, NPTX1, NR1D1, NR1H4, NR2E3, NR2F6, NR3C2, NR4A1, NR4A2, NR4A3, NRXN2, NRXN3, NTSC3A, NTSC3B, NT5DC2, NUAK1, NUBP1, NUCB1, NUDT1, NUDT11, NUDT13, NUDT14, NUDT15, NUDT17, NUDT4, OGFOD3, OSGEP, OSGEPL1, OSR2, OVOL3, P2RX4, P4HA3, P4HTM, PADI1, PADI2, PADI3, PAN2, PAPOLG, PARP12, PC, PCDH1, PCDH9, PCDH10, PCDH11, PCDH12, PCDH4A, PCDH410, PCDH411, PCDH412, PCDH44, PCDH45, PCDH46, PCDH48, PCDH49, PCDH81, PCDH813, PCDH83, PCDH85, PCDH86, PCDHGA1, PCDHGA10, PCDHGA11, PCDHGA4, PCDHGA5, PCDHGA8, PCDHGA9, PCDHGB1, PCDHGB2, PCDHGB3, PCDHGB4, PCDHGB5, PCGF1, PCGF6, PCK2, PCLO, PDE12, PDE1A, PDE1C, PDE3A, PDE5A, PDE9A, PDF, PDLM2, PEG10, PELO, PGGT1B, PGM5, PHACTR1, PHF1, PHF21A, PHOSPHO2, PHYH, PIF1, PKMYT1, PLA2G4C, PLAG1, PLCB1, PLCB2, PLCB4, PLCD4, PLCE1, PLCH2, PLEKHF2, PLSCR4, PNLDCl, POLA1, POLR3K, POMT1, PON1, PPARG, PPAT, PPEF1, PPM1D, PPM1L, PPM1M, PPP2R3A, PPP3R1, PRDM1, PRDM13, PRDM5, PRDM8, PRICKLE3, PRIM2, PRIMPOL, PRKAA2, PRKCG, PRKCH, PRKCZ, PRKD1, PRKD3, PRNP, PROC, PRORP, PRPS2, PRRG1, PRRG2, PRTFDC1, PRUNE2, PTER, PTGS1, PTGS2, PUDP, PUS10, PXDN, PYGL, QPCQT, RAB11FIP3, RABGEF1, RABIF, RAD50, RAG1, RAP2A, RASA3, RBKS, RCHY1, RDH14, RET, RFK, RHBDL3, RHEBL1, RHOT2, RHOU, RIMS2, R1OK2, RNASEL, RNF103, RNF113A, RNF122, RNF125, RNF135, RNF144B, RNF166, RNF182, RNF185, RNF19A, RNF31, RNF32, RNF38, RNF39, RNF43, RNF44, RNF48, RNF71, RNPEPL1, ROR2, RPCL1, RPH3A, RPS6KA2, RRAGC, RRM2, RSF1, RTEL1, RXRA, RYR1, S100A16, S100A5, S100P, SALL1, SALL2, SALL4, SAR1B, SCIN, SELENOO, SESN3, SETDB2, SETMAR, SH3RF2, SH3RF3, SHH, SLC1A2, SLC1A3, SLC25A25, SLC30A5, SLC8A1, SLFN11, SLFN13, SLIT1, SLIT2, SLIT3, |
| GO:0046872 | metal ion binding        | MolecularFunction | 0.00 | [ABLM2, ABLIM3, ACAP1, ACAP3, ACE, ACER2, ACVR2A, ACVRL1, ADAM12, ADAM19, ADAMTS15, ADAMTS3, ADAMTS6, ADAMTS8, ADAP1, ADAP2, ADCY1, ADCY3, ADCY5, ADGRE1, ADH1C, ADH6, ADSS1, AGAP2, AGAP4, AGAP6, AHRR, AIFM3, AIRE, ALKBH4, ALPL, AMDHD1, AMPD3, AMZ1, AMZ2, ANKZF1, ANO1, ANTXR2, ANXA6, ANXA8L1, ANXA9, AOC2, AOC3, AOX1, APOE, ARAF, ARAP2, ARAP3, AREG, ARFGAP2, ARG2, ARHGAP45, ARL4D, ARL6, ARMT1, ARSA, ARSD, ARSL, ASPHD2, ATAD3A, ATF7, ATP10A, ATP10D, ATP1A3, ATP23, ATP2A1, ATP2A3, ATP2B4, ATP7A, ATP8B3, ATP8B4, ATP9B, B3GAT2, B4GALT3, B4GAT1, BAIAP3, BCL11A, BCL11B, BCL6, BCO1, BIRC7, BLM, BPNT1, BRAF, BSN, C11orf54, C1D, C1GALT1, C2, CA11, CA8, CA9, CABCOCO1, CABYR, CACNA1H, CALML4, CAPN12, CAPN15, CARN3, CASZ1, CBLB, CBL1, CBS, CCDC106, CDADCI, CDC7, CDH17, CDH3, CDH4, CDH6, CDHR3, CENPV, CFH, CGRRF1, CHAMP1, CHD3, CHD5, CHSY3, CIAO3, CIAPIN1, CIB2, CIB4, CLYBL, CNKSR2, CNRIP1, COL11A2, COL1A1, COL5A1, COMMD1, COQ7, CP, CPA4, CPM, CPNE4, CPPE1, CPQ, CPS1, CRAT, CRELD1, CRIP2, CRYAB, CSNK2B, CSRP2, CTDSPL, CUBN, CXCR4, CXXC1, CXXC4, CXXC5, CYP1A1, CYP26A1, CYP27A1, CYP27B1, CYP27C1, CYP39A1, CYP4F12, CYP4F22, DCF2, DDAH1, DGKE, DGKG, DGKQ, DLK2, DLL1, DMAC2L, DMD, DMPK, DMRTA1, DMRTA2, DNAJA1, DNASE1L2, DNER, DNPEP, DOCA2, DOHH, DPF1, DPYD, DSC2, DSC3, DUS3L, DXO, DYRK3, DZANK1, EBF1, EBF2, EBF3, EBF4, EDIL3, EFCAB10, EFCAB11, EFCAB6, EFCAB7, EFHC1, EFHC2, EGLN3, EGR1, EHD2, ELAC1, ELOF1, END OG, ENDOU, ENO4, ERAP1, ERAP2, ERCC2, ESR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |