

A1BG, A1BG-AS1, A1CF, A2M, A2ML1, A3GALT2, A4GALT, A4GNT, AAAS, AACS, AADAC, AADAACL2, AADAACL3, AADAACL4, AADAT, AAGAB, AAK1, AAMDC, AAMP, AANAT, AAR2, AARD, AARS1, AARS2, AARSD1, AASDH, AASDHPT, AASS, AATF, AATK, ABALON, ABAT, ABCA1, ABCA10, ABCA12, ABCA13, ABCA2, ABCA3, ABCA4, ABCA5, ABCA6, ABCA7, ABCA8, ABCA9, ABCA9-AS1, ABCB1, ABCB10, ABCB11, ABCB4, ABCB5, ABCB6, ABCB7, ABCB8, ABCB9, ABCC1, ABCC10, ABCC11, ABCC12, ABCC2, ABCC3, ABCC4, ABCC5, ABCC6, ABCC8, ABCC9, ABCD1, ABCD2, ABCD3, ABCD4, ABCE1, ABCF1, ABCF2, ABCF3, ABCG1, ABCG2, ABCG4, ABCG5, ABCG8, ABHD1, ABHD10, ABHD11, ABHD12, ABHD12B, ABHD13, ABHD14A, ABHD14A-ACY1, ABHD14B, ABHD15, ABHD16A, ABHD16B, ABHD17A, ABHD17B, ABHD17C, ABHD18, ABHD2, ABHD3, ABHD4, ABHD5, ABHD6, ABHD8, ABI1, ABI2, ABI3, ABI3BP, ABITRAM, ABL1, ABL2, ABLIM1, ABLIM2, ABLIM3, ABO, ABR, ABRA, ABRACL, ABRAXAS1, ABRAXAS2, ABT1, ABTB1, ABTB2, ABTB3, ACAA1, ACAA2, ACACA, ACACB, ACAD10, ACAD11, ACAD8, ACAD9, ACADL, ACADM, ACADS, ACADSB, ACADVL, ACAN, ACAP1, ACAP2, ACAP3, ACAT1, ACAT2, ACBD3, ACBD4, ACBD5, ACBD6, ACBD7, ACCS, ACCSL, ACD, ACE, ACE2, ACER1, ACER2, ACER3, ACHE, ACIN1, ACKR1, ACKR2, ACKR3, ACKR4, ACLY, ACMSD, ACO1, ACO2, ACOD1, ACOT1, ACOT11, ACOT12, ACOT13, ACOT2, ACOT4, ACOT6, ACOT7, ACOT8, ACOT9, ACOX1, ACOX2, ACOX3, ACOXL, ACP1, ACP2, ACP3, ACP4, ACP5, ACP6, ACP7, ACR, ACRBP, ACRV1, ACSBG1, ACSBG2, ACSF2, ACSF3, ACSL1, ACSL3, ACSL4, ACSL5, ACSL6, ACSM1, ACSM2A, ACSM2B, ACSM3, ACSM4, ACSM5, ACSM6, ACSS1, ACSS2, ACSS3, ACTA1, ACTA2, ACTA2-AS1, ACTB, ACTBL2, ACTC1, ACTG1, ACTG2, ACTL10, ACTL6A, ACTL6B, ACTL7A, ACTL7B, ACTL8, ACTL9, ACTMAP, ACTN1, ACTN2, ACTN3, ACTN4, ACTR10, ACTR1A, ACTR1B, ACTR2, ACTR3, ACTR3B, ACTR3C, ACTR5, ACTR6, ACTR8, ACTRT1, ACTRT2, ACTRT3, ACVR1, ACVR1B, ACVR1C, ACVR2A, ACVR2B, ACVRL1, ACY1, ACY3, ACYP1, ACYP2, ADA, ADA2, ADAD1, ADAD2, ADAM10, ADAM11, ADAM12, ADAM15, ADAM17, ADAM18, ADAM19, ADAM2, ADAM20, ADAM21, ADAM22, ADAM23, ADAM28, ADAM29, ADAM30, ADAM32, ADAM33, ADAM7, ADAM8, ADAM9, ADAMDEC1, ADAMTS1, ADAMTS10, ADAMTS12, ADAMTS13, ADAMTS14, ADAMTS15, ADAMTS16, ADAMTS17, ADAMTS18, ADAMTS19, ADAMTS19-AS1, ADAMTS2, ADAMTS20, ADAMTS3, ADAMTS4, ADAMTS5, ADAMTS6, ADAMTS7, ADAMTS8, ADAMTS9, ADAMTS9-AS1, ADAMTSL1, ADAMTSL2, ADAMTSL3, ADAMTSL4, ADAMTSL5, ADAP1, ADAP2, ADAR, ADARB1, ADARB2, ADAT1, ADAT2, ADAT3, ADCK1, ADCK2, ADCK5, ADCY1, ADCY10, ADCY2, ADCY3, ADCY4, ADCY5, ADCY6, ADCY7, ADCY8, ADCY9, ADCYAP1, ADCYAP1R1, ADD1, ADD2, ADD3, ADGB, ADGRA1, ADGRA2, ADGRA3, ADGRB1, ADGRB2, ADGRB3, ADGRD1, ADGRD1-AS1, ADGRE1, ADGRE2, ADGRE3, ADGRE5, ADGRF1, ADGRF2P, ADGRF3, ADGRF4, ADGRF5, ADGRG1, ADGRG2, ADGRG3, ADGRG4, ADGRG5, ADGRG6, ADGRG7, ADGRL1, ADGRL2, ADGRL3, ADGRL4, ADGRV1, ADH1A, ADH1B, ADH1C, ADH4, ADH5, ADH6, ADH7, ADHFE1, ADI1, ADIG, ADIPOQ, ADIPOQ-AS1, ADIPOR1, ADIPOR2, ADIRF, ADISSP, ADK, ADM, ADM2, ADM5, ADNP, ADNP2, ADO, ADORA1, ADORA2A, ADORA2B, ADORA3, ADPGK, ADPGK-AS1, ADPRH, ADPRHL1, ADPRM, ADPRS, ADRA1A, ADRA1B, ADRA1D, ADRA2A, ADRA2B, ADRA2C, ADRB1, ADRB2, ADRB3, ADRM1, ADSL, ADSS1, ADSS2, ADTRP, AEBP1, AEBP2, AEN, AFAP1, AFAP1L1, AFAP1L2, AFDN, AFF1, AFF2, AFF3, AFF4, AFG1L, AFG2A, AFG2B, AFG3L2, AFM, AFMID, AFP, AFTPH, AGA, AGAP1, AGAP11, AGAP2, AGAP2-AS1, AGAP3, AGAP4, AGAP5, AGAP6, AGBL1, AGBL2, AGBL3, AGBL4, AGBL5, AGER, AGFG1, AGFG2, AGGF1, AGK, AGL, AGMAT, AGMO, AGO1, AGO2, AGO3, AGO4, AGPAT1, AGPAT2, AGPAT3, AGPAT4, AGPAT5, AGPS, AGR2, AGR3, AGRN, AGRP, AGT, AGTPBP1, AGTR1, AGTR2, AGTRAP, AGXT, AGXT2, AHCTF1, AHCY, AHCYL1, AHCYL2, AHDC1, AHI1, AHNAK, AHNAK2, AHR, AHRR, AHSA1, AHSA2P, AHSG, AHSP, AICDA, AIDA, AIF1, AIF1L, AIFM1, AIFM2, AIFM3, AIG1, AIM2, AIMP1, AIMP2, AIP, AIPL1, AIRE, AIRIM, AJAP1, AJM1, AJUBA, AK1, AK2, AK3, AK4, AK5, AK6, AK7, AK8, AK9, AKAIN1, AKAP1, AKAP10, AKAP11, AKAP12, AKAP13, AKAP14, AKAP3, AKAP4, AKAP5, AKAP6, AKAP7, AKAP8, AKAP8L, AKAP9, AKIP1, AKIRIN1, AKIRIN2, AKNA, AKNAD1, AKR1A1, AKR1B1, AKR1B10, AKR1B15, AKR1C1, AKR1C2, AKR1C3, AKR1C4, AKR1D1, AKR1E2, AKR7A2, AKR7A3, AKR7L, AKT1, AKT1S1, AKT2, AKT3, AKTIP, ALAD, ALAS1, ALAS2, ALB, ALCAM, ALDH16A1, ALDH18A1, ALDH1A1, ALDH1A2, ALDH1A3, ALDH1B1, ALDH1L1, ALDH1L1-AS1, ALDH1L2, ALDH2, ALDH3A1, ALDH3A2, ALDH3B1, ALDH3B2, ALDH4A1, ALDH5A1, ALDH6A1, ALDH7A1, ALDH8A1, ALDH9A1, ALDOA, ALDOB,

ALDOC, ALG1, ALG10, ALG10B, ALG11, ALG12, ALG13, ALG14, ALG1L1P, ALG1L2, ALG2, ALG3, ALG5, ALG6, ALG8, ALG9, ALK, ALKAL1, ALKAL2, ALKBH1, ALKBH2, ALKBH3, ALKBH4, ALKBH5, ALKBH6, ALKBH7, ALKBH8, ALLC, ALMS1, ALOX12, ALOX12-AS1, ALOX12B, ALOX15, ALOX15B, ALOX5, ALOX5AP, ALOXE3, ALPG, ALPI, ALPK1, ALPK2, ALPK3, ALPL, ALPP, ALS2, ALS2CL, ALX1, ALX3, ALX4, ALYREF, AMACR, AMBN, AMBP, AMBRA1, AMD1, AMDHD1, AMDHD2, AMELX, AMELY, AMER1, AMER2, AMER3, AMFR, AMH, AMHR2, AMIGO1, AMIGO2, AMIGO3, AMMECR1, AMMECR1L, AMN, AMN1, AMOT, AMOTL1, AMOTL2, AMPD1, AMPD2, AMPD3, AMPH, AMT, AMTN, AMY1B, AMY1C, AMY2A, AMY2B, AMZ1, AMZ2, ANAPC1, ANAPC10, ANAPC11, ANAPC13, ANAPC15, ANAPC16, ANAPC1P1, ANAPC2, ANAPC4, ANAPC5, ANAPC7, ANG, ANGEL1, ANGEL2, ANGPT1, ANGPT2, ANGPT4, ANGPTL1, ANGPTL2, ANGPTL3, ANGPTL4, ANGPTL5, ANGPTL6, ANGPTL7, ANGPTL8, ANHX, ANK1, ANK2, ANK3, ANKAR, ANKDD1A, ANKDD1B, ANKEF1, ANKFN1, ANKFY1, ANKH, ANKHD1, ANKHD1-EIF4EBP3, ANKIB1, ANKK1, ANKLE1, ANKLE2, ANKMY1, ANKMY2, ANKRA2, ANKRD1, ANKRD10, ANKRD11, ANKRD12, ANKRD13A, ANKRD13B, ANKRD13C, ANKRD13C-DT, ANKRD13D, ANKRD16, ANKRD17, ANKRD18A, ANKRD18B, ANKRD2, ANKRD20A2P, ANKRD20A4P, ANKRD22, ANKRD23, ANKRD24, ANKRD26, ANKRD27, ANKRD28, ANKRD29, ANKRD30A, ANKRD30B, ANKRD30BL, ANKRD31, ANKRD33, ANKRD33B, ANKRD34A, ANKRD34B, ANKRD34C, ANKRD35, ANKRD36, ANKRD36C, ANKRD37, ANKRD39, ANKRD40, ANKRD42, ANKRD44, ANKRD45, ANKRD46, ANKRD49, ANKRD50, ANKRD52, ANKRD53, ANKRD54, ANKRD55, ANKRD6, ANKRD60, ANKRD61, ANKRD62, ANKRD63, ANKRD65, ANKRD66, ANKRD7, ANKRD9, ANKS1A, ANKS1B, ANKS3, ANKS4B, ANKS6, ANKUB1, ANKZF1, ANLN, ANO1, ANO10, ANO2, ANO3, ANO4, ANO5, ANO6, ANO7, ANO8, ANO9, ANOS1, ANP32A, ANP32B, ANP32CP, ANP32D, ANP32E, ANPEP, ANTKMT, ANTXR1, ANTXR2, ANTXRL, ANXA1, ANXA10, ANXA11, ANXA13, ANXA2, ANXA2R, ANXA3, ANXA4, ANXA5, ANXA6, ANXA7, ANXA8L1, ANXA9, AOAH, AOC1, AOC2, AOC3, AOPEP, AOX1, AP1AR, AP1B1, AP1G1, AP1G2, AP1M1, AP1M2, AP1S1, AP1S2, AP1S3, AP2A1, AP2A2, AP2B1, AP2M1, AP2S1, AP3B1, AP3B2, AP3D1, AP3M1, AP3M2, AP3S1, AP3S2, AP4B1, AP4B1-AS1, AP4E1, AP4M1, AP4S1, AP5B1, AP5M1, AP5S1, AP5Z1, APAF1, APBA1, APBA2, APBA3, APBB1, APBB1IP, APBB2, APBB3, APC, APC2, APCDD1, APCDD1L, APCS, APEH, APELA, APEX1, APEX2, APH1A, APH1B, API5, APIP, APLF, APLN, APLNR, APLP1, APLP2, APMAP, APOA1, APOA1-AS, APOA2, APOA4, APOA5, APOB, APOBEC1, APOBEC2, APOBEC3A, APOBEC3B, APOBEC3B-AS1, APOBEC3C, APOBEC3D, APOBEC3F, APOBEC3G, APOBEC3H, APOBEC4, APOBR, APOC1, APOC2, APOC3, APOC4, APOC4-APOC2, APOD, APOE, APOF, APOH, APOL1, APOL2, APOL3, APOL4, APOL5, APOL6, APOLD1, APOM, APOO, APOOL, APP, APPBP2, APPL1, APPL2, APRG1, APRT, APTX, AQP1, AQP10, AQP11, AQP12A, AQP12B, AQP2, AQP3, AQP4, AQP5, AQP6, AQP7, AQP8, AQP9, AQR, AR, ARAF, ARAP1, ARAP2, ARAP3, ARB2A, ARC, ARCN1, AREG, AREL1, ARF1, ARF3, ARF4, ARF5, ARF6, ARFGAP1, ARFGAP2, ARFGAP3, ARFGEF1, ARFGEF2, ARFGEF3, ARFIP1, ARFIP2, ARFRP1, ARG1, ARG2, ARGFX, ARGLU1, ARHGAP1, ARHGAP10, ARHGAP11A, ARHGAP11B, ARHGAP12, ARHGAP15, ARHGAP17, ARHGAP18, ARHGAP19, ARHGAP19-SLIT1, ARHGAP20, ARHGAP21, ARHGAP22, ARHGAP23, ARHGAP24, ARHGAP25, ARHGAP26, ARHGAP27, ARHGAP28, ARHGAP29, ARHGAP30, ARHGAP31, ARHGAP32, ARHGAP33, ARHGAP35, ARHGAP36, ARHGAP39, ARHGAP4, ARHGAP40, ARHGAP42, ARHGAP44, ARHGAP45, ARHGAP5, ARHGAP6, ARHGAP8, ARHGAP9, ARHGDIA, ARHGDIB, ARHGDIG, ARHGEF1, ARHGEF10, ARHGEF10L, ARHGEF11, ARHGEF12, ARHGEF15, ARHGEF16, ARHGEF17, ARHGEF18, ARHGEF19, ARHGEF2, ARHGEF25, ARHGEF26, ARHGEF28, ARHGEF3, ARHGEF33, ARHGEF34P, ARHGEF37, ARHGEF38, ARHGEF39, ARHGEF4, ARHGEF40, ARHGEF6, ARHGEF7, ARHGEF7-AS2, ARHGEF9, ARID1A, ARID1B, ARID2, ARID3A, ARID3B, ARID3C, ARID4A, ARID4B, ARID5A, ARID5B, ARIH1, ARIH2, ARIH2OS, ARK2C, ARK2N, ARL1, ARL10, ARL11, ARL13A, ARL13B, ARL14, ARL14EP, ARL14EPL, ARL15, ARL16, ARL17A, ARL2, ARL2-SNX15, ARL2BP, ARL3, ARL4A, ARL4C, ARL4D, ARL5A, ARL5B, ARL5C, ARL6, ARL6IP1, ARL6IP4, ARL6IP5, ARL6IP6, ARL8A, ARL8B, ARL9, ARLN, ARMC1, ARMC10, ARMC12, ARMC2, ARMC3, ARMC5, ARMC6, ARMC7, ARMC8, ARMC9, ARMCX1, ARMCX2, ARMCX3, ARMCX4, ARMCX5, ARMCX5-GPRASP2, ARMH1, ARMH2, ARMH3, ARMH4, ARMS2, ARMT1, ARNT, ARNT2, ARPC1A, ARPC1B, ARPC2, ARPC3, ARPC4, ARPC4-

TTLL3, ARPC5, ARPC5L, ARPIN, ARPIN-AP3S2, ARPP19, ARPP21, ARR3, ARRB1, ARRB2, ARRDC1, ARRDC2, ARRDC3, ARRDC4, ARRDC5, ARSA, ARSB, ARSD, ARSF, ARSG, ARSH, ARSI, ARSJ, ARSK, ARSL, ART1, ART3, ART4, ART5, ARTN, ARV1, ARVCF, ARX, AS3MT, ASAH1, ASAH2B, ASAP1, ASAP2, ASAP3, ASB1, ASB10, ASB11, ASB12, ASB13, ASB14, ASB15, ASB16, ASB16-AS1, ASB17, ASB18, ASB2, ASB3, ASB4, ASB5, ASB6, ASB7, ASB8, ASB9, ASCC1, ASCC2, ASCC3, ASCL1, ASCL2, ASCL3, ASCL4, ASCL5, ASF1A, ASF1B, ASGR1, ASGR2, ASH1L, ASH2L, ASIC1, ASIC2, ASIC3, ASIC4, ASIC5, ASIP, ASL, ASMTL-AS1, ASNS, ASNSD1, ASPA, ASPDH, ASPG, ASPH, ASPHD1, ASPHD2, ASPM, ASPN, ASPRV1, ASPSCR1, ASRGL1, ASS1, ASTE1, ASTL, ASTN1, ASTN2, ASXL1, ASXL2, ASXL3, ASZ1, ATAD1, ATAD2, ATAD2B, ATAD3A, ATAD3B, ATAD3C, ATAD5, ATAT1, ATCAY, ATE1, ATE1OSP, ATF1, ATF2, ATF3, ATF4, ATF5, ATF6, ATF6B, ATF7, ATF7IP, ATF7IP2, ATG10, ATG101, ATG12, ATG13, ATG14, ATG16L1, ATG16L2, ATG2A, ATG2B, ATG3, ATG4A, ATG4B, ATG4C, ATG4D, ATG5, ATG7, ATG9A, ATG9B, ATIC, ATL1, ATL2, ATL3, ATM, ATMIN, ATN1, ATOH1, ATOH7, ATOH8, ATOSA, ATOSB, ATOX1, ATP10A, ATP10B, ATP10D, ATP11A, ATP11AUN, ATP11B, ATP11C, ATP12A, ATP13A1, ATP13A2, ATP13A3, ATP13A4, ATP13A5, ATP13A5-AS1, ATP1A1, ATP1A1-AS1, ATP1A2, ATP1A3, ATP1A4, ATP1B1, ATP1B2, ATP1B3, ATP1B4, ATP23, ATP2A1, ATP2A1-AS1, ATP2A2, ATP2A3, ATP2B1, ATP2B2, ATP2B3, ATP2B4, ATP2C1, ATP2C2, ATP4A, ATP4B, ATP5F1A, ATP5F1B, ATP5F1C, ATP5F1D, ATP5F1E, ATP5F1EP2, ATP5IF1, ATP5MC1, ATP5MC2, ATP5MC3, ATP5ME, ATP5MF, ATP5MF-PTCD1, ATP5MG, ATP5MGL, ATP5MJ, ATP5MK, ATP5PB, ATP5PD, ATP5PF, ATP5PO, ATP6AP1, ATP6AP1L, ATP6AP2, ATP6VOA1, ATP6VOA2, ATP6VOA4, ATP6VOB, ATP6VOC, ATP6VOD1, ATP6VOD2, ATP6VOE1, ATP6VOE2, ATP6V1A, ATP6V1B1, ATP6V1B2, ATP6V1C1, ATP6V1C2, ATP6V1D, ATP6V1E1, ATP6V1E2, ATP6V1F, ATP6V1G1, ATP6V1G2, ATP6V1G2-DDX39B, ATP6V1G3, ATP6V1H, ATP7A, ATP7B, ATP8A1, ATP8A2, ATP8B1, ATP8B2, ATP8B3, ATP8B4, ATP9A, ATP9B, ATPAF1, ATPAF2, ATPSCKMT, ATR, ATRAID, ATRIP, ATRN, ATRNL1, ATRX, ATXN1, ATXN10, ATXN1L, ATXN2, ATXN2L, ATXN3, ATXN3L, ATXN7, ATXN7L1, ATXN7L2, ATXN7L3, ATXN7L3B, ATXN8OS, AUH, AUNIP, AUP1, AURKA, AURKAIP1, AURKB, AURKC, AUTS2, AVEN, AVIL, AVL9, AVP, AVPI1, AVPR1A, AVPR1B, AVPR2, AWAT1, AWAT2, AXDND1, AXIN1, AXIN2, AXL, AZGP1, AZI2, AZIN1, AZIN2, AZU1, B2M, B3GALNT1, B3GALNT2, B3GALT1, B3GALT2, B3GALT4, B3GALT5, B3GALT6, B3GAT1, B3GAT2, B3GAT3, B3GLCT, B3GNT2, B3GNT3, B3GNT4, B3GNT5, B3GNT6, B3GNT7, B3GNT8, B3GNT9, B3GNTL1, B4GALNT1, B4GALNT2, B4GALNT3, B4GALNT4, B4GALT1, B4GALT1-AS1, B4GALT2, B4GALT3, B4GALT4, B4GALT5, B4GALT6, B4GALT7, B4GAT1, B9D1, B9D2, BAALC, BAAT, BABAM1, BABAM2, BACC1, BACE1, BACE1-AS, BACE2, BACH1, BACH2, BAD, BAG1, BAG2, BAG3, BAG4, BAG5, BAG6, BAGE2, BAHCC1, BAHD1, BAIAP2, BAIAP2L1, BAIAP2L2, BAIAP3, BAK1, BAMBI, BANF1, BANF2, BANK1, BANP, BAP1, BARD1, BARHL1, BARHL2, BARX1, BARX2, BASP1, BATF, BATF2, BATF3, BAX, BAZ1A, BAZ1B, BAZ2A, BAZ2B, BBC3, BBIP1, BBLN, BBOF1, BBOX1, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, BBX, BCAM, BCAN, BCAP29, BCAP31, BCAR1, BCAR3, BCAS1, BCAS2, BCAS3, BCAS4, BCAT1, BCAT2, BCCIP, BCDIN3D, BCDIN3D-AS1, BCHE, BCKDHA, BCKDHB, BCKDK, BCL10, BCL11A, BCL11B, BCL2, BCL2A1, BCL2L1, BCL2L10, BCL2L11, BCL2L12, BCL2L13, BCL2L14, BCL2L15, BCL2L2, BCL2L2-PABPN1, BCL3, BCL6, BCL6B, BCL7A, BCL7B, BCL7C, BCL9, BCL9L, BCLAF1, BCLAF3, BCO1, BCO2, BCOR, BCORL1, BCR, BCS1L, BDH1, BDH2, BDKRB1, BDKRB2, BDNF, BDNF-AS, BDP1, BEAN1, BEAN1-AS1, BECN1, BECN2, BEGAIN, BEND2, BEND3, BEND4, BEND5, BEND6, BEND7, BEST1, BEST2, BEST3, BEST4, BET1, BET1L, BEX1, BEX2, BEX3, BEX4, BEX5, BFAR, BFSP1, BFSP2, BGLAP, BGN, BHLHA15, BHLHA9, BHLHE22, BHLHE23, BHLHE40, BHLHE41, BHMT, BHMT2, BICC1, BICD1, BICD2, BICDL1, BICDL2, BICRA, BICRAL, BID, BIK, BIN1, BIN2, BIN3, BIRC2, BIRC3, BIRC5, BIRC6, BIRC7, BIRC8, BIVM, BIVM-ERCC5, BLACE, BLCAP, BLID, BLK, BLM, BLMH, BLNK, BLOC1S1, BLOC1S2, BLOC1S3, BLOC1S4, BLOC1S5, BLOC1S6, BLTP1, BLTP2, BLTP3A, BLTP3B, BLVRA, BLVRB, BLZF1, BMAL1, BMAL2, BMAL2-AS1, BMERB1, BMF, BMI1, BMP1, BMP10, BMP15, BMP2, BMP2K, BMP3, BMP4, BMP5, BMP6, BMP7, BMP8A, BMP8B, BMPER, BMPR1A, BMPR1B, BMPR2, BMS1, BMS1P20, BMX, BNC1, BNC2, BNIP1, BNIP2, BNIP3, BNIP3L, BNIP5, BNIPL, BOC, BOD1, BOD1L1, BOD1L2, BOK, BOLA1, BOLA2B, BOLA3, BOLL, BORA, BORCS5, BORCS6, BORCS7, BORCS8, BORCS8-MEF2B, BPGM, BPHL, BPI, BPIFA1, BPIFA2, BPIFA3, BPIFB1, BPIFB2, BPIFB3, BPIFB4, BPIFB6, BPIFC, BPNT1, BPNT2, BPTF, BPY2B,

BPY2C, BRAF, BRAP, BRAT1, BRCA1, BRCA2, BRCC3, BRD1, BRD10, BRD2, BRD3, BRD4, BRD7, BRD8, BRD9, BRDT, BRF1, BRF2, BRI3, BRI3BP, BRICD5, BRINP1, BRINP2, BRINP3, BRIP1, BRIX1, BRK1, BRME1, BRMS1, BRMS1L, BROX, BRPF1, BRPF3, BRS3, BRSK1, BRSK2, BRWD1, BRWD3, BSCL2, BSDC1, BSG, BSN, BSND, BSPH1, BSPRY, BST1, BST2, BSX, BTAF1, BTBD1, BTBD10, BTBD16, BTBD17, BTBD18, BTBD19, BTBD2, BTBD3, BTBD6, BTBD7, BTBD8, BTBD9, BTC, BTD, BTF3, BTF3L4, BTG1, BTG2, BTG3, BTG4, BTK, BTLA, BTN1A1, BTN2A1, BTN2A2, BTN3A1, BTN3A2, BTN3A3, BTNL10P, BTNL2, BTNL3, BTNL8, BTNL9, BTRC, BUB1, BUB1B, BUB1B-PAK6, BUB3, BUD13, BUD23, BUD31, BYSL, BZW1, BZW2, C10orf105, C10orf120, C10orf126, C10orf53, C10orf55, C10orf62, C10orf67, C10orf71, C10orf88, C10orf90, C10orf95, C10orf95-AS1, C11orf16, C11orf21, C11orf24, C11orf40, C11orf42, C11orf52, C11orf54, C11orf58, C11orf65, C11orf68, C11orf71, C11orf86, C11orf87, C11orf91, C11orf96, C11orf97, C11orf98, C12orf42, C12orf43, C12orf50, C12orf54, C12orf56, C12orf57, C12orf60, C12orf71, C12orf75, C12orf76, C14orf119, C14orf132, C14orf180, C14orf28, C14orf39, C14orf93, C15orf32, C15orf39, C15orf40, C15orf48, C15orf61, C15orf62, C16orf46, C16orf54, C16orf74, C16orf78, C16orf82, C16orf86, C16orf87, C16orf89, C16orf90, C16orf92, C16orf95, C16orf96, C17orf100, C17orf107, C17orf50, C17orf58, C17orf67, C17orf75, C17orf78, C17orf99, C18orf21, C18orf32, C18orf54, C18orf63, C19orf12, C19orf18, C19orf25, C19orf33, C19orf38, C19orf44, C19orf47, C19orf48P, C19orf53, C19orf67, C19orf73, C19orf81, C19orf84, C1D, C1GALT1, C1GALT1C1, C1GALT1C1L, C1orf105, C1orf115, C1orf116, C1orf122, C1orf127, C1orf141, C1orf146, C1orf159, C1orf162, C1orf167, C1orf174, C1orf185, C1orf198, C1orf21, C1orf210, C1orf216, C1orf226, C1orf35, C1orf43, C1orf50, C1orf52, C1orf53, C1orf54, C1orf56, C1orf74, C1orf87, C1orf94, C1QA, C1QB, C1QBP, C1QC, C1QL1, C1QL2, C1QL3, C1QL4, C1QTNF1, C1QTNF12, C1QTNF2, C1QTNF3, C1QTNF3-AMACR, C1QTNF4, C1QTNF5, C1QTNF6, C1QTNF7, C1QTNF8, C1QTNF9, C1QTNF9B, C1R, C1RL, C1RL-AS1, C1S, C2, C20orf141, C20orf144, C20orf173, C20orf202, C20orf203, C20orf204, C20orf96, C21orf140, C21orf58, C21orf91, C22orf15, C22orf23, C22orf31, C22orf39, C22orf42, C22orf46P, C2CD2, C2CD2L, C2CD3, C2CD4A, C2CD4B, C2CD4C, C2CD4D, C2CD5, C2CD6, C2orf15, C2orf42, C2orf49, C2orf66, C2orf68, C2orf69, C2orf72, C2orf74, C2orf76, C2orf78, C2orf80, C2orf81, C2orf88, C3, C3AR1, C3orf18, C3orf20, C3orf22, C3orf33, C3orf36, C3orf38, C3orf49, C3orf52, C3orf62, C3orf70, C3orf80, C4B, C4BPA, C4BPB, C4orf17, C4orf19, C4orf33, C4orf36, C4orf46, C4orf51, C5, C5AR1, C5AR2, C5orf15, C5orf22, C5orf24, C5orf34, C5orf46, C5orf47, C5orf52, C5orf58, C5orf63, C5orf67, C6, C6orf118, C6orf120, C6orf132, C6orf136, C6orf141, C6orf15, C6orf163, C6orf47, C6orf52, C6orf58, C6orf62, C6orf89, C7, C7orf25, C7orf33, C7orf57, C8A, C8B, C8G, C8orf33, C8orf34, C8orf34-AS1, C8orf44, C8orf44-SGK3, C8orf48, C8orf58, C8orf74, C8orf76, C8orf82, C8orf88, C8orf89, C9, C9orf152, C9orf153, C9orf163, C9orf40, C9orf43, C9orf50, C9orf57, C9orf72, C9orf78, C9orf85, CA1, CA10, CA11, CA12, CA13, CA14, CA2, CA3, CA3-AS1, CA4, CA5A, CA5B, CA6, CA7, CA8, CA9, CAAP1, CAB39, CAB39L, CABCOCO1, CABIN1, CABLES1, CABLES2, CABP1, CABP2, CABP4, CABP5, CABP7, CABS1, CABYR, CACFD1, CACHD1, CACNA1A, CACNA1B, CACNA1C, CACNA1C-AS2, CACNA1D, CACNA1E, CACNA1F, CACNA1G, CACNA1H, CACNA1I, CACNA1S, CACNA2D1, CACNA2D2, CACNA2D3, CACNA2D3-AS1, CACNA2D4, CACNB1, CACNB2, CACNB3, CACNB4, CACNG1, CACNG2, CACNG3, CACNG4, CACNG5, CACNG6, CACNG7, CACNG8, CACTIN, CACTIN-AS1, CACUL1, CACYBP, CAD, CADM1, CADM2, CADM3, CADM4, CADPS, CADPS2, CAGE1, CALB1, CALB2, CALCA, CALCB, CALCOCO1, CALCOCO2, CALCR, CALCRL, CALD1, CALHM1, CALHM2, CALHM3, CALHM4, CALHM5, CALHM6, CALM1, CALM2, CALM3, CALML3, CALML4, CALML5, CALML6, CALN1, CALR, CALR3, CALU, CALY, CAMK1, CAMK1D, CAMK1G, CAMK2A, CAMK2B, CAMK2D, CAMK2G, CAMK2N1, CAMK2N2, CAMK4, CAMKK1, CAMKK2, CAMKMT, CAMKV, CAMLG, CAMP, CAMSAP1, CAMSAP2, CAMSAP3, CAMTA1, CAMTA2, CAND1, CAND2, CANT1, CANX, CAP1, CAP2, CAPG, CAPN1, CAPN10, CAPN11, CAPN12, CAPN13, CAPN14, CAPN15, CAPN2, CAPN3, CAPN5, CAPN6, CAPN7, CAPN8, CAPN9, CAPNS1, CAPNS2, CAPRIN1, CAPRIN2, CAPS, CAPS2, CAPSL, CAPZA1, CAPZA2, CAPZA3, CAPZB, CARD10, CARD11, CARD14, CARD16, CARD17P, CARD18, CARD19, CARD6, CARD8, CARD9, CARE, CARHSP1, CARINH, CARM1, CARMIL1, CARMIL2, CARMIL3, CARNMT1, CARN1, CARS1, CARS2, CARTPT, CASC3,

CASD1, CASK, CASKIN1, CASKIN2, CASP1, CASP10, CASP14, CASP2, CASP3, CASP4, CASP5, CASP6, CASP7, CASP8, CASP8AP2, CASP9, CASQ1, CASQ2, CASR, CASS4, CAST, CASTOR1, CASTOR3P, CASZ1, CAT, CATIP, CATIP-AS1, CATSPER1, CATSPER2, CATSPER3, CATSPER4, CATSPERB, CATSPERD, CATSPERE, CATSPERG, CATSPERZ, CAV1, CAV2, CAV3, CAVIN1, CAVIN2, CAVIN3, CAVIN4, CBARP, CBFA2T2, CBFA2T3, CBFEB, CBL, CBLB, CBLC, CBLIF, CBL11, CBL12, CBLN1, CBLN2, CBLN3, CBLN4, CBR1, CBR3, CBR3-AS1, CBR4, CBS, CBX1, CBX2, CBX3, CBX4, CBX5, CBX6, CBX7, CBX8, CBY1, CBY2, CBY3, CC2D1A, CC2D1B, CC2D2A, CC2D2B, CCAR1, CCAR2, CCBE1, CCDC102A, CCDC102B, CCDC106, CCDC107, CCDC110, CCDC112, CCDC115, CCDC116, CCDC117, CCDC12, CCDC120, CCDC121, CCDC122, CCDC124, CCDC125, CCDC126, CCDC127, CCDC13, CCDC13-AS1, CCDC134, CCDC136, CCDC137, CCDC138, CCDC14, CCDC140, CCDC141, CCDC142, CCDC144A, CCDC144NL, CCDC146, CCDC148, CCDC148-AS1, CCDC149, CCDC15, CCDC150, CCDC152, CCDC154, CCDC157, CCDC158, CCDC159, CCDC160, CCDC166, CCDC167, CCDC168, CCDC169, CCDC169-SOHLH2, CCDC17, CCDC170, CCDC171, CCDC172, CCDC174, CCDC175, CCDC177, CCDC178, CCDC179, CCDC18, CCDC180, CCDC181, CCDC182, CCDC183, CCDC184, CCDC185, CCDC186, CCDC188, CCDC190, CCDC191, CCDC192, CCDC198, CCDC22, CCDC24, CCDC25, CCDC27, CCDC28A, CCDC28A-AS1, CCDC28B, CCDC3, CCDC30, CCDC32, CCDC33, CCDC34, CCDC38, CCDC39, CCDC40, CCDC42, CCDC43, CCDC47, CCDC50, CCDC51, CCDC54, CCDC57, CCDC59, CCDC6, CCDC60, CCDC61, CCDC62, CCDC63, CCDC65, CCDC66, CCDC68, CCDC69, CCDC7, CCDC70, CCDC71, CCDC71L, CCDC73, CCDC74A, CCDC74B, CCDC77, CCDC78, CCDC8, CCDC80, CCDC81, CCDC82, CCDC83, CCDC85A, CCDC85B, CCDC85C, CCDC86, CCDC87, CCDC88A, CCDC88B, CCDC88C, CCDC89, CCDC9, CCDC90B, CCDC91, CCDC92, CCDC93, CCDC97, CCDC9B, CCER2, CCHCR1, CCIN, CCK, CCKAR, CCKBR, CCL1, CCL11, CCL13, CCL14, CCL15, CCL15-CCL14, CCL16, CCL17, CCL18, CCL19, CCL2, CCL20, CCL21, CCL22, CCL23, CCL24, CCL25, CCL26, CCL27, CCL28, CCL3, CCL4, CCL4L2, CCL5, CCL7, CCL8, CCM2, CCM2L, CCN1, CCN2, CCN3, CCN4, CCN5, CCN6, CCNA1, CCNA2, CCNB1, CCNB1IP1, CCNB2, CCNB3, CCNC, CCND1, CCND2, CCND2-AS1, CCND3, CCNDBP1, CCNE1, CCNE2, CCNF, CCNG1, CCNG2, CCNH, CCNI, CCNI2, CCNJ, CCNJL, CCNK, CCNL1, CCNL2, CCNO, CCNP, CCNQ, CCNT1, CCNT2, CCNY, CCNYL1, CCP110, CCPG1, CCR1, CCR10, CCR2, CCR3, CCR4, CCR5, CCR6, CCR7, CCR8, CCR9, CCRL2, CCS, CCSAP, CCSER1, CCSER2, CCT2, CCT3, CCT4, CCT5, CCT6A, CCT6B, CCT7, CCT8, CCT8L2, CCZ1, CCZ1B, CD101, CD109, CD14, CD151, CD160, CD163, CD163L1, CD164, CD164L2, CD177, CD180, CD19, CD1A, CD1B, CD1C, CD1D, CD1E, CD2, CD200, CD200R1, CD200R1L, CD207, CD209, CD22, CD226, CD244, CD247, CD248, CD27, CD27-AS1, CD274, CD276, CD28, CD2AP, CD2BP2, CD300A, CD300C, CD300E, CD300LB, CD300LD, CD300LD-AS1, CD300LF, CD300LG, CD302, CD320, CD33, CD34, CD36, CD37, CD38, CD3D, CD3E, CD3G, CD4, CD40, CD40LG, CD44, CD46, CD47, CD48, CD5, CD52, CD53, CD55, CD58, CD59, CD5L, CD6, CD63, CD68, CD69, CD7, CD70, CD72, CD74, CD79A, CD79B, CD80, CD81, CD82, CD83, CD84, CD86, CD8A, CD9, CD93, CD96, CD99L2, CDA, CDADC1, CDAN1, CDC123, CDC14A, CDC14B, CDC16, CDC20, CDC20B, CDC23, CDC25A, CDC25B, CDC25C, CDC26, CDC27, CDC34, CDC37, CDC37L1, CDC40, CDC42, CDC42BPA, CDC42BPB, CDC42BPG, CDC42EP1, CDC42EP2, CDC42EP3, CDC42EP4, CDC42EP5, CDC42SE1, CDC42SE2, CDC45, CDC5L, CDC6, CDC7, CDC73, CDCA2, CDCA3, CDCA4, CDCA5, CDCA7, CDCA7L, CDCA8, CDCP1, CDCP2, CDH1, CDH10, CDH11, CDH12, CDH13, CDH15, CDH16, CDH17, CDH18, CDH19, CDH2, CDH20, CDH22, CDH23, CDH24, CDH26, CDH3, CDH4, CDH5, CDH6, CDH7, CDH8, CDH9, CDHR1, CDHR2, CDHR3, CDHR4, CDHR5, CDIN1, CDIP1, CDIPT, CDK1, CDK10, CDK12, CDK13, CDK14, CDK15, CDK16, CDK17, CDK18, CDK19, CDK2, CDK20, CDK2AP1, CDK2AP2, CDK3, CDK4, CDK5, CDK5R1, CDK5R2, CDK5RAP1, CDK5RAP2, CDK5RAP3, CDK6, CDK7, CDK8, CDK9, CDKAL1, CDKL1, CDKL2, CDKL3, CDKL4, CDKL5, CDKN1A, CDKN1B, CDKN1C, CDKN2A, CDKN2AIP, CDKN2AIPNL, CDKN2B, CDKN2C, CDKN2D, CDKN3, CDNF, CDO1, CDON, CDPF1, CDR1, CDR2, CDR2L, CDRT15, CDRT15L2, CDRT4, CDS1, CDS2, CDSN, CDT1, CDV3, CDX1, CDX2, CDX4, CDY1, CDY1B, CDY2B, CDYL, CDYL2, CEACAM1, CEACAM16, CEACAM18, CEACAM19, CEACAM20, CEACAM21, CEACAM3, CEACAM4, CEACAM5, CEACAM6, CEACAM7, CEACAM8, CEBPA, CEBPB, CEBPB-AS1, CEBPD, CEBPE, CEBPG, CEBPZ, CEBPZOS, CECR2, CEL, CELA1, CELA2A, CELA2B, CELA3A, CELA3B, CELF1, CELF2, CELF3, CELF4, CELF5, CELF6, CELSR1,



COL10A1, COL11A1, COL11A2, COL12A1, COL13A1, COL14A1, COL15A1, COL16A1, COL17A1, COL18A1, COL19A1, COL1A1, COL1A2, COL20A1, COL21A1, COL22A1, COL23A1, COL24A1, COL25A1, COL26A1, COL27A1, COL28A1, COL2A1, COL3A1, COL4A1, COL4A2, COL4A2-AS1, COL4A3, COL4A4, COL4A5, COL4A6, COL5A1, COL5A2, COL5A3, COL6A1, COL6A2, COL6A3, COL6A5, COL6A6, COL7A1, COL8A1, COL8A2, COL9A1, COL9A2, COL9A3, COLCA1, COLEC10, COLEC11, COLEC12, COLGALT1, COLGALT2, COLQ, COMMD1, COMMD10, COMMD2, COMMD3, COMMD3-BMI1, COMMD4, COMMD5, COMMD6, COMMD7, COMMD8, COMMD9, COMP, COMT, COMTD1, COP1, COPA, COPB1, COPB2, COPE, COPG1, COPG2, COPRS, COPS2, COPS3, COPS4, COPS5, COPS6, COPS7A, COPS7B, COPS8, COPS9, COPZ1, COPZ2, COQ10A, COQ10B, COQ2, COQ3, COQ4, COQ5, COQ6, COQ7, COQ8A, COQ8B, COQ9, CORIN, CORO1A, CORO1B, CORO1C, CORO2A, CORO2B, CORO6, CORO7, CORO7-PAM16, CORT, COTL1, COX10, COX11, COX14, COX15, COX16, COX17, COX18, COX19, COX20, COX4I1, COX4I2, COX5A, COX5B, COX6A1, COX6A2, COX6B1, COX6B2, COX6C, COX7A1, COX7A2, COX7A2L, COX7B, COX7B2, COX7C, COX8A, COX8C, CP, CPA1, CPA2, CPA3, CPA4, CPA5, CPA6, CPAMD8, CPAP, CPB1, CPB2, CPD, CPE, CPEB1, CPEB2, CPEB3, CPEB4, CPED1, CPLANE1, CPLANE2, CPLX1, CPLX2, CPLX3, CPLX4, CPM, CPN1, CPN2, CPNE1, CPNE2, CPNE3, CPNE4, CPNE5, CPNE6, CPNE7, CPNE8, CPNE9, CPO, CPOX, CPPED1, CPQ, CPS1, CPSF1, CPSF2, CPSF3, CPSF4, CPSF4L, CPSF6, CPSF7, CPT1A, CPT1B, CPT1C, CPT2, CPTP, CPVL, CPXCR1, CPXM1, CPXM2, CPZ, CR1, CR1L, CR2, CRABP1, CRABP2, CRACD, CRACDL, CRACR2A, CRACR2B, CRADD, CRAMP1, CRAT, CRB1, CRB2, CRB3, CRBN, CRCP, CRCT1, CREB1, CREB3, CREB3L1, CREB3L2, CREB3L3, CREB3L4, CREB5, CREBBP, CREBL2, CREBRF, CREBZF, CREG1, CREG2, CRELD1, CRELD2, CREM, CRH, CRHBP, CRHR1, CRHR2, CRIM1, CRIP1, CRIP2, CRIP3, CRIPT, CRIPTO, CRISP1, CRISP2, CRISP3, CRISPLD1, CRISPLD2, CRK, CRKL, CRLF1, CRLF3, CRLS1, CRMP1, CRNDE, CRNKL1, CRNN, CROCC, CROT, CRP, CRPPA, CRTAC1, CRTAM, CRTAP, CRTC1, CRTC2, CRTC3, CRTC3-AS1, CRX, CRY1, CRY2, CRYAA, CRYAB, CRYBA1, CRYBA2, CRYBA4, CRYBB1, CRYBB2, CRYBB3, CRYBG1, CRYBG2, CRYBG3, CRYGA, CRYGB, CRYGC, CRYGD, CRYGN, CRYGS, CRYL1, CRYM, CRYZ, CRYZL1, CS, CSAD, CSDC2, CSDE1, CSE1L, CSF1, CSF1R, CSF2, CSF2RB, CSF3, CSF3R, CSGALNACT1, CSGALNACT2, CSH1, CSH2, CSHL1, CSK, CSKMT, CSMD1, CSMD2, CSMD3, CSN1S1, CSN2, CSN3, CSNK1A1, CSNK1A1L, CSNK1D, CSNK1E, CSNK1G1, CSNK1G2, CSNK1G3, CSNK2A1, CSNK2A2, CSNK2A3, CSNK2B, CSPG4, CSPG5, CSPP1, CSRNP1, CSRNP2, CSRNP3, CSRNP1, CSRNP2, CSRNP3, CST1, CST11, CST2, CST3, CST4, CST5, CST6, CST7, CST8, CST9, CST9L, CSTA, CSTB, CSTF1, CSTF2, CSTF2T, CSTF3, CSTL1, CSTPP1, CT45A10, CT45A5, CT45A8, CT45A9, CT47A12, CT47A8, CT47B1, CT62, CT83, CTAG1A, CTAG2, CTAGE1, CTAGE8, CTBP1, CTBP2, CTBS, CTC1, CTCF, CTCFL, CTDNEP1, CTDP1, CTDSP1, CTDSP2, CTDSPL, CTDSPL2, CTF1, CTH, CTHRC1, CTIF, CTLA4, CTNNA1, CTNNA2, CTNNA3, CTNNAL1, CTNNB1, CTNNBIP1, CTNNBL1, CTNND1, CTNND2, CTNS, CTPS1, CTPS2, CTR9, CTRB1, CTRB2, CTRC, CTRL, CTSA, CTSB, CTSC, CTSD, CTSE, CTSF, CTSG, CTSB, CTSK, CTSL, CTSO, CTSS, CTSV, CTSW, CTSZ, CTTN, CTTNBP2, CTTNBP2NL, CTU1, CTU2, CTXN1, CTXN2, CTXN3, CUBN, CUEDC1, CUEDC2, CUL1, CUL2, CUL3, CUL4A, CUL4B, CUL5, CUL7, CUL9, CUTA, CUTC, CUX1, CUX2, CUZD1, CWC15, CWC22, CWC25, CWC27, CWF19L1, CWF19L2, CWH43, CX3CL1, CX3CR1, CXADR, CXCL1, CXCL10, CXCL11, CXCL12, CXCL13, CXCL14, CXCL16, CXCL17, CXCL2, CXCL3, CXCL5, CXCL6, CXCL8, CXCL9, CXCR1, CXCR2, CXCR3, CXCR4, CXCR5, CXCR6, CXorf38, CXorf49, CXorf58, CXorf65, CXorf66, CXXC1, CXXC4, CXXC5, CYB561, CYB561A3, CYB561D1, CYB561D2, CYB5A, CYB5B, CYB5D1, CYB5D2, CYB5R1, CYB5R2, CYB5R3, CYB5R4, CYB5RL, CYBA, CYBB, CYBC1, CYBRD1, CYC1, CYCS, CYFIP1, CYFIP2, CYGB, CYLC1, CYLC2, CYLD, CYP11A1, CYP11B1, CYP11B2, CYP17A1, CYP19A1, CYP1A1, CYP1A2, CYP1B1, CYP20A1, CYP21A2, CYP24A1, CYP26A1, CYP26B1, CYP26C1, CYP27A1, CYP27B1, CYP27C1, CYP2A13, CYP2A6, CYP2A7, CYP2B6, CYP2C18, CYP2C19, CYP2C8, CYP2C9, CYP2D6, CYP2D7, CYP2E1, CYP2F1, CYP2J2, CYP2R1, CYP2S1, CYP2U1, CYP2W1, CYP39A1, CYP3A4, CYP3A43, CYP3A5, CYP3A7, CYP3A7-CYP3A51P, CYP46A1, CYP4A11, CYP4A22, CYP4B1, CYP4F11, CYP4F12, CYP4F2, CYP4F22, CYP4F3, CYP4F8, CYP4V2, CYP4X1, CYP4Z1, CYP51A1, CYP7A1, CYP7B1, CYP8B1, CYREN, CYRIA, CYRIB, CYS1, CYSLTR1, CYSLTR2, CYSRT1, CYSTM1, CYTH1, CYTH2, CYTH3, CYTH4, CYTIP, CYTL1, CYYR1, CZIB, D2HGDH, DAAM1, DAAM2, DAB1, DAB2, DAB2IP, DACH1, DACH2, DACT1, DACT2, DACT3, DAD1,

DAG1, DAGLA, DAGLB, DALRD3, DAND5, DAO, DAOA, DAOA-AS1, DAP, DAP3, DAPK1, DAPK2, DAPK3, DAPL1, DAPP1, DARS1, DARS1-AS1, DARS2, DAW1, DAXX, DAZ2, DAZ4, DAZAP1, DAZAP2, DAZL, DBF4, DBF4B, DBH, DBI, DBN1, DBNDD1, DBNDD2, DBNL, DBP, DBR1, DBT, DBX1, DBX2, DCAF1, DCAF10, DCAF11, DCAF12, DCAF12L1, DCAF12L2, DCAF13, DCAF15, DCAF16, DCAF17, DCAF4, DCAF4L1, DCAF4L2, DCAF5, DCAF6, DCAF7, DCAF8, DCAF8L1, DCAF8L2, DCAKD, DCANP1, DCBLD1, DCBLD2, DCC, DCD, DCDC1, DCDC2, DCDC2B, DCDC2C, DCHS1, DCHS2, DCK, DCLK1, DCLK2, DCLK3, DCLRE1A, DCLRE1B, DCLRE1C, DCN, DCP1A, DCP1B, DCP2, DCPS, DCST1, DCST2, DCSTAMP, DCT, DCTD, DCTN1, DCTN2, DCTN3, DCTN4, DCTN5, DCTN6, DCTPP1, DCUN1D1, DCUN1D2, DCUN1D3, DCUN1D4, DCUN1D5, DCX, DCXR, DDA1, DDAH1, DDAH2, DDB1, DDB2, DDC, DDC-AS1, DDHD1, DDHD2, DDI1, DDI2, DDIAS, DDIT3, DDIT4, DDIT4L, DDN, DDO, DDOST, DDR1, DDR2, DDRGK1, DDX1, DDX10, DDX11, DDX17, DDX18, DDX19A, DDX19B, DDX20, DDX21, DDX23, DDX24, DDX25, DDX27, DDX28, DDX31, DDX39A, DDX39B, DDX3X, DDX3Y, DDX4, DDX41, DDX42, DDX43, DDX46, DDX47, DDX49, DDX5, DDX50, DDX51, DDX52, DDX53, DDX54, DDX55, DDX56, DDX59, DDX6, DDX60, DDX60L, DEAF1, DECR1, DECR2, DEDD, DEDD2, DEF6, DEF8, DEFA3, DEFA4, DEFA5, DEFA6, DEFB1, DEFB103B, DEFB104A, DEFB104B, DEFB105A, DEFB105B, DEFB106A, DEFB106B, DEFB107A, DEFB107B, DEFB108B, DEFB110, DEFB112, DEFB113, DEFB114, DEFB115, DEFB116, DEFB118, DEFB119, DEFB121, DEFB123, DEFB124, DEFB125, DEFB126, DEFB127, DEFB128, DEFB129, DEFB131A, DEFB132, DEFB133, DEFB134, DEFB135, DEFB136, DEFB4A, DEFB4B, DEGS1, DEGS2, DEK, DELE1, DELEC1, DENND10, DENND10P1, DENND11, DENND1A, DENND1B, DENND1C, DENND2A, DENND2B, DENND2C, DENND2D, DENND3, DENND4A, DENND4B, DENND4C, DENND5A, DENND5B, DENND6A, DENND6B, DENR, DEPDC1, DEPDC1B, DEPDC4, DEPDC5, DEPDC7, DEPP1, DEPTOR, DERA, DERL1, DERL2, DERL3, DES, DESI1, DESI2, DET1, DEUP1, DEXI, DFFA, DFFB, DGAT1, DGAT2, DGAT2L6, DGCR2, DGCR6, DGCR6L, DGCR8, DGKA, DGKB, DGKD, DGKE, DGKG, DGKH, DGKI, DGKK, DGKQ, DGKZ, DGLUCY, DGUOK, DGUOK-AS1, DHCR24, DHCR7, DHDDS, DHDH, DHFR, DHFR2, DHH, DHODH, DHPS, DHRS1, DHRS11, DHRS12, DHRS13, DHRS2, DHRS3, DHRS4, DHRS4-AS1, DHRS4L1, DHRS4L2, DHRS7, DHRS7B, DHRS7C, DHRS9, DHTKD1, DHX15, DHX16, DHX29, DHX30, DHX32, DHX33, DHX34, DHX35, DHX36, DHX37, DHX38, DHX40, DHX57, DHX58, DHX8, DHX9, DIABLO, DIAPH1, DIAPH2, DIAPH3, DIAPH3-AS1, DICER1, DIDO1, DIMT1, DIO1, DIO2, DIO2-AS1, DIO3, DIP2A, DIP2B, DIP2C, DIPK1A, DIPK1B, DIPK1C, DIPK2A, DIPK2B, DIRAS1, DIRAS2, DIRAS3, DIRC1, DIS3, DIS3L, DIS3L2, DISC1, DISP1, DISP2, DISP3, DIXDC1, DKC1, DKK1, DKK2, DKK3, DKK4, DKKL1, DLAT, DLC1, DLD, DLEC1, DLEU1, DLEU7, DLG1, DLG2, DLG3, DLG4, DLG5, DLGAP1, DLGAP2, DLGAP2-AS1, DLGAP3, DLGAP4, DLGAP5, DLK1, DLK2, DLL1, DLL3, DLL4, DLST, DLX1, DLX2, DLX3, DLX4, DLX5, DLX6, DMAC1, DMAC2, DMAC2L, DMAP1, DMBT1, DMBX1, DMC1, DMD, DMGDH, DMKN, DMP1, DMPK, DMRT1, DMRT2, DMRT3, DMRTA1, DMRTA2, DMRTB1, DMRTC1, DMRTC1B, DMRTC2, DMTF1, DMTN, DMWD, DMXL1, DMXL2, DNA2, DNAAF1, DNAAF10, DNAAF11, DNAAF19, DNAAF2, DNAAF3, DNAAF4, DNAAF4-CCPG1, DNAAF5, DNAAF6, DNAAF8, DNAAF9, DNAH1, DNAH10, DNAH11, DNAH12, DNAH14, DNAH17, DNAH2, DNAH3, DNAH5, DNAH6, DNAH7, DNAH8, DNAH9, DNAI1, DNAI2, DNAI3, DNAI4, DNAI7, DNAJA1, DNAJA2, DNAJA3, DNAJA4, DNAJB1, DNAJB11, DNAJB12, DNAJB13, DNAJB14, DNAJB2, DNAJB3, DNAJB4, DNAJB5, DNAJB6, DNAJB7, DNAJB8, DNAJB9, DNAJC1, DNAJC10, DNAJC11, DNAJC12, DNAJC13, DNAJC14, DNAJC15, DNAJC16, DNAJC17, DNAJC18, DNAJC19, DNAJC2, DNAJC21, DNAJC22, DNAJC24, DNAJC25, DNAJC25-GNG10, DNAJC27, DNAJC28, DNAJC3, DNAJC30, DNAJC4, DNAJC5, DNAJC5B, DNAJC5G, DNAJC6, DNAJC7, DNAJC8, DNAJC9, DNAL1, DNAL4, DNALI1, DNASE1, DNASE1L1, DNASE1L2, DNASE1L3, DNASE2, DNASE2B, DND1, DNER, DNHD1, DNLZ, DNM1, DNM1L, DNM2, DNM3, DNMBP, DNMBP-AS1, DNMT1, DNMT3A, DNMT3B, DNMT3L, DNPEP, DNPH1, DNNT, DNNTIP1, DNNTIP2, DOC2A, DOC2B, DOCK1, DOCK10, DOCK11, DOCK2, DOCK3, DOCK4, DOCK5, DOCK6, DOCK7, DOCK8, DOCK8-AS1, DOCK9, DOHH, DOK1, DOK2, DOK3, DOK4, DOK5, DOK6, DOK7, DOLK, DOLPP1, DONSON, DOP1A, DOP1B, DOT1L, DPAGT1, DPCD, DPEP1, DPEP2, DPEP3, DPF1, DPF2, DPF3, DPH1, DPH2, DPH3, DPH3P1, DPH5, DPH6, DPH7, DPM1, DPM2, DPM3, DPP10, DPP3, DPP4, DPP6, DPP7, DPP8, DPP9, DPP9-AS1, DPPA2, DPPA3, DPPA4, DPPA5, DPRX, DPT, DPY19L1, DPY19L2,

DPY19L3, DPY19L4, DPY30, DPYD, DPYD-AS1, DPYS, DPYSL2, DPYSL3, DPYSL4, DPYSL5, DQX1, DR1, DRAM1, DRAM2, DRAP1, DRAXIN, DRC1, DRC12, DRC3, DRC7, DRD1, DRD2, DRD3, DRD4, DRD5, DRG1, DRG2, DRGX, DRICH1, DROSHA, DRP2, DSC1, DSC2, DSC3, DSCAM, DSCAML1, DSCAS, DSCC1, DSCR4, DSCR8, DSE, DSEL, DSG1, DSG1-AS1, DSG2, DSG2-AS1, DSG3, DSG4, DSN1, DSP, DSPP, DST, DSTN, DSTYK, DTD1, DTD2, DTHD1, DTL, DTNA, DTNB, DTNBP1, DTWD1, DTWD2, DTX1, DTX2, DTX3, DTX3L, DTX4, DTYMK, DUOX1, DUOX2, DUOXA1, DUOXA2, DUS1L, DUS2, DUS3L, DUS4L, DUSP1, DUSP10, DUSP11, DUSP12, DUSP13B, DUSP14, DUSP15, DUSP16, DUSP18, DUSP19, DUSP2, DUSP21, DUSP22, DUSP23, DUSP26, DUSP28, DUSP29, DUSP3, DUSP4, DUSP5, DUSP6, DUSP7, DUSP8, DUSP9, DUT, DUXA, DVL1, DVL2, DVL3, DXO, DYDC1, DYDC2, DYM, DYNAP, DYNC1H1, DYNC1I1, DYNC1I2, DYNC1LI1, DYNC1LI2, DYNC2H1, DYNC2I1, DYNC2I2, DYNC2LI1, DYNLL1, DYNLL2, DYNLRB1, DYNLRB2, DYNLT1, DYNLT2, DYNLT2B, DYNLT3, DYNLT4, DYNLT5, DYRK1A, DYRK1B, DYRK2, DYRK3, DYRK4, DYSF, DYTN, DZANK1, DZIP1, DZIP1L, DZIP3, E2F1, E2F2, E2F3, E2F4, E2F5, E2F6, E2F7, E2F8, E4F1, EAF1, EAF2, EAPP, EARS2, EBAG9, EBF1, EBF2, EBF3, EBF4, EBI3, EBLN1, EBLN2, EBNA1BP2, EBP, EBPL, ECD, ECE1, ECE2, ECEL1, ECH1, ECHDC1, ECHDC2, ECHDC3, ECHS1, ECI1, ECI2, ECM1, ECM2, ECPAS, ECRG4, ECSCR, ECSIT, ECT2, ECT2L, EDA, EDA2R, EDAR, EDARADD, EDC3, EDC4, EDDM3A, EDDM3B, EDEM1, EDEM2, EDEM3, EDF1, EDIL3, EDN1, EDN2, EDN3, EDNRA, EDNRB, EDRF1, EDRF1-AS1, EEA1, EED, EEF1A1, EEF1A2, EEF1AKMT1, EEF1AKMT2, EEF1AKMT3, EEF1B2, EEF1D, EEF1E1, EEF1G, EEF2, EEF2K, EEF2KMT, EEFSEC, EEIG1, EEIG2, EEPD1, EFCAB10, EFCAB11, EFCAB12, EFCAB13, EFCAB14, EFCAB14-AS1, EFCAB2, EFCAB3, EFCAB5, EFCAB6, EFCAB7, EFCAB9, EFCC1, EFEMP1, EFEMP2, EFHB, EFHC1, EFHC2, EFHD1, EFHD2, EFL1, EFNA1, EFNA2, EFNA3, EFNA4, EFNA5, EFN1, EFN2, EFN3, EFR3A, EFR3B, EFS, EFTUD2, EGF, EGFL6, EGFL7, EGFL8, EGFLAM, EGFR, EGLN1, EGLN2, EGLN3, EGR1, EGR2, EGR3, EGR4, EHBP1, EHBP1L1, EHD1, EHD2, EHD3, EHD4, EHF, EHHADH, EHMT1, EHMT2, EI24, EID1, EID2, EID2B, EID3, EIF1, EIF1AD, EIF1AX, EIF1AY, EIF1B, EIF2A, EIF2AK1, EIF2AK2, EIF2AK3, EIF2AK4, EIF2B1, EIF2B2, EIF2B3, EIF2B4, EIF2B5, EIF2D, EIF2S1, EIF2S2, EIF2S3, EIF3A, EIF3B, EIF3D, EIF3E, EIF3F, EIF3G, EIF3H, EIF3I, EIF3J, EIF3K, EIF3L, EIF3M, EIF4A1, EIF4A2, EIF4A3, EIF4B, EIF4E, EIF4E1B, EIF4E2, EIF4E3, EIF4EBP1, EIF4EBP2, EIF4EBP3, EIF4ENIF1, EIF4G1, EIF4G2, EIF4G3, EIF4H, EIF5, EIF5A, EIF5A2, EIF5AL1, EIF5B, EIF6, EIPR1, ELAC1, ELAC2, ELANE, ELAPOR1, ELAPOR2, ELAVL1, ELAVL2, ELAVL3, ELAVL4, ELF1, ELF2, ELF3, ELF4, ELF5, ELFN1, ELK1, ELK3, ELK4, ELL, ELL2, ELL3, ELMO1, ELMO1-AS1, ELMO2, ELMO3, ELMOD1, ELMOD2, ELMOD3, ELN, ELOA, ELOA2, ELOB, ELOC, ELOF1, ELOVL1, ELOVL2, ELOVL3, ELOVL4, ELOVL5, ELOVL6, ELOVL7, ELP1, ELP2, ELP3, ELP4, ELP5, ELP6, ELSPBP1, EMB, EMC1, EMC10, EMC2, EMC3, EMC4, EMC6, EMC7, EMC8, EMC9, EMCN, EMD, EME1, EME2, EMG1, EMID1, EMILIN1, EMILIN2, EMILIN3, EML1, EML2, EML2-AS1, EML3, EML4, EML5, EML6, EMP1, EMP2, EMP3, EMSY, EMX1, EMX2, EN1, EN2, ENAH, ENAM, ENC1, ENDOD1, ENDOG, ENDOU, ENDOV, ENG, ENGASE, ENHO, ENKD1, ENKUR, ENO1, ENO2, ENO3, ENO4, ENOPH1, ENOSF1, ENOX1, ENOX2, ENPEP, ENPP1, ENPP2, ENPP3, ENPP4, ENPP5, ENPP6, ENPP7, ENSA, ENTHD1, ENTPD1, ENTPD2, ENTPD3, ENTPD4, ENTPD5, ENTPD6, ENTPD7, ENTPD8, ENTR1, ENTREP1, ENTREP2, ENTREP3, ENY2, EOGT, EOLA1, EOLA2, EOMES, EP300, EP400, EP400P1, EPAS1, EPB41, EPB41L1, EPB41L2, EPB41L3, EPB41L4A, EPB41L4B, EPB41L5, EPB42, EPC1, EPC2, EPCAM, EPCIP, EPDR1, EPG5, EPGN, EPHA1, EPHA10, EPHA2, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHA8, EPHB1, EPHB2, EPHB3, EPHB4, EPHB6, EPHX1, EPHX2, EPHX3, EPHX4, EPM2A, EPM2AIP1, EPN1, EPN2, EPN3, EPO, EPOP, EPOR, EPPIN, EPPIN-WFDC6, EPRS1, EPS15, EPS15L1, EPS8, EPS8L1, EPS8L2, EPS8L3, EPSTI1, EPX, EPYC, EQTN, ERAL1, ERAP1, ERAP2, ERAS, ERBB2, ERBB3, ERBB4, ERBIN, ERC1, ERC2, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, ERCC6, ERCC6L, ERCC6L2, ERCC8, EREG, ERF, ERF, ERF, ERG, ERG28, ERGIC1, ERGIC2, ERGIC3, ERH, ERI1, ERI2, ERI3, ERICH1, ERICH2, ERICH3, ERICH4, ERICH5, ERICH6, ERICH6B, ERLEC1, ERLIN1, ERLIN2, ERLN, ERMAD, ERMARD, ERMN, ERMP1, ERN1, ERN2, ERO1A, ERO1B, ERP27, ERP29, ERP44, ERRFI1, ERV3-1, ERVFRD-1, ERVH48-1, ERVMER34-1, ESAM, ESCO1, ESCO2, ESD, ESF1, ESM1, ESPL1, ESPN, ESPNL, ESR1, ESR2, ESRP1, ESRP2, ESRRA, ESRRB, ESRRG, ESS2, ESX1, ESYT1, ESYT2, ESYT3, ETAA1, ETF1, ETFA, ETFB, ETFBKMT, ETFDH, ETFRF1, ETHE1, ETNK1, ETNK2, ETNPPL, ETS1, ETS2, ETV1, ETV2, ETV3, ETV3L, ETV4, ETV5, ETV6, ETV7, EVA1A, EVA1B, EVA1C, EVC, EVC2,

EVI2A, EVI2B, EVI5, EVI5L, EVL, EVPL, EVPLL, EVX1, EVX2, EWSR1, EXD1, EXD2, EXD3, EXO1, EXO5, EXOC1, EXOC2, EXOC3, EXOC3L1, EXOC3L2, EXOC3L4, EXOC4, EXOC5, EXOC6, EXOC6B, EXOC7, EXOC8, EXOG, EXOSC1, EXOSC10, EXOSC2, EXOSC3, EXOSC4, EXOSC5, EXOSC6, EXOSC7, EXOSC8, EXOSC9, EXPH5, EXT1, EXT2, EXTL1, EXTL2, EXTL3, EYA1, EYA2, EYA3, EYA4, EYS, EZH1, EZH2, EZHIP, EZR, EZR-AS1, F10, F11, F11-AS1, F11R, F12, F13A1, F13B, F2, F2R, F2RL1, F2RL2, F2RL3, F3, F5, F7, F8, F8A2, F8A3, F9, FA2H, FAAH, FAAH2, FAAP100, FAAP20, FAAP24, FABP1, FABP12, FABP2, FABP3, FABP4, FABP5, FABP6, FABP7, FABP9, FADD, FADS1, FADS2, FADS3, FADS6, FAF1, FAF2, FAH, FAHD1, FAHD2A, FAHD2B, FAHD2CP, FAIM, FAIM2, FAM106A, FAM106B, FAM106C, FAM107A, FAM107B, FAM110A, FAM110B, FAM110C, FAM110D, FAM111A, FAM111B, FAM114A1, FAM114A2, FAM117A, FAM117B, FAM118A, FAM118B, FAM120A, FAM120A2P, FAM120AOS, FAM120B, FAM120C, FAM124A, FAM124B, FAM131A, FAM131B, FAM131C, FAM133A, FAM133B, FAM135A, FAM135B, FAM136A, FAM13A, FAM13B, FAM13C, FAM149A, FAM149B1, FAM151A, FAM151B, FAM153A, FAM153B, FAM153CP, FAM156A, FAM157A, FAM161A, FAM161B, FAM162A, FAM162B, FAM163A, FAM167A, FAM167B, FAM168A, FAM168B, FAM169A, FAM169BP, FAM170A, FAM170B, FAM171A1, FAM171A2, FAM171B, FAM174A, FAM174B, FAM174C, FAM177A1, FAM177B, FAM178B, FAM180A, FAM180B, FAM181A, FAM181B, FAM182B, FAM184A, FAM184B, FAM186A, FAM186B, FAM187B, FAM193A, FAM193B, FAM199X, FAM200A, FAM200B, FAM200C, FAM204A, FAM209A, FAM209B, FAM20A, FAM20B, FAM20C, FAM210A, FAM210B, FAM216A, FAM216B, FAM217A, FAM217B, FAM218A, FAM219A, FAM219B, FAM220A, FAM221A, FAM221B, FAM222A, FAM222B, FAM227A, FAM227B, FAM228A, FAM228B, FAM229A, FAM229B, FAM234A, FAM234B, FAM236A, FAM241A, FAM241B, FAM24A, FAM24B, FAM25A, FAM25G, FAM32A, FAM3A, FAM3B, FAM3C, FAM3D, FAM3D-AS1, FAM43A, FAM43B, FAM47A, FAM47B, FAM47C, FAM47E, FAM47E-STBD1, FAM50A, FAM50B, FAM53A, FAM53B, FAM53C, FAM66C, FAM72A, FAM72D, FAM76A, FAM76B, FAM78A, FAM78B, FAM81A, FAM81B, FAM83A, FAM83B, FAM83C, FAM83D, FAM83E, FAM83F, FAM83G, FAM83H, FAM86B1, FAM86B2, FAM86C1P, FAM86JP, FAM89A, FAM89B, FAM8A1, FAM90A1, FAM91A1, FAM98A, FAM98B, FAM98C, FAM9A, FAM9B, FAM9C, FAN1, FANCA, FANCB, FANCC, FANCD2, FANCD2OS, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, FANK1, FAP, FAR1, FAR2, FARP1, FARP2, FARS2, FARSA, FARSB, FAS, FASLG, FASN, FASTK, FASTKD1, FASTKD2, FASTKD3, FASTKD5, FAT1, FAT2, FAT3, FAT4, FATE1, FAU, FAXC, FAXDC2, FBF1, FBH1, FBL, FBLIM1, FBLL1, FBLN1, FBLN2, FBLN5, FBLN7, FBN1, FBN2, FBN3, FBP1, FBP2, FBRS, FBRSL1, FBXL12, FBXL13, FBXL14, FBXL15, FBXL16, FBXL17, FBXL18, FBXL19, FBXL2, FBXL20, FBXL21P, FBXL22, FBXL3, FBXL4, FBXL5, FBXL6, FBXL7, FBXL8, FBXL9P, FBXO10, FBXO11, FBXO15, FBXO16, FBXO17, FBXO2, FBXO21, FBXO22, FBXO24, FBXO25, FBXO27, FBXO28, FBXO3, FBXO30, FBXO31, FBXO32, FBXO33, FBXO34, FBXO36, FBXO38, FBXO39, FBXO4, FBXO40, FBXO41, FBXO42, FBXO43, FBXO44, FBXO45, FBXO46, FBXO47, FBXO48, FBXO5, FBXO6, FBXO7, FBXO8, FBXO9, FBXW10B, FBXW11, FBXW12, FBXW2, FBXW4, FBXW5, FBXW7, FBXW7-AS1, FBXW8, FBXW9, FCAMR, FCAR, FCER1A, FCER1G, FCER2, FCF1, FCGBP, FCGR1A, FCGR2A, FCGR3A, FCGR3B, FCGRT, FCHO1, FCHO2, FCHSD1, FCHSD2, FCMR, FCN1, FCN2, FCN3, FCRL1, FCRL2, FCRL3, FCRL4, FCRL5, FCRL6, FCRLA, FCRLB, FCSK, FDCSP, FDFT1, FDPS, FDX1, FDX2, FDXACB1, FDXR, FECH, FEM1A, FEM1B, FEM1C, FEN1, FER, FER1L5, FER1L6, FER1L6-AS2, FERD3L, FERMT1, FERMT2, FERMT3, FERRY3, FES, FETUB, FEV, FEZ1, FEZ2, FEZF1, FEZF1-AS1, FEZF2, FFAR1, FFAR2, FFAR3, FFAR4, FGA, FGB, FGD1, FGD2, FGD3, FGD4, FGD5, FGD6, FGF1, FGF10, FGF11, FGF12, FGF13, FGF14, FGF16, FGF17, FGF18, FGF19, FGF2, FGF20, FGF21, FGF22, FGF23, FGF3, FGF4, FGF5, FGF6, FGF7, FGF8, FGF9, FGFBP1, FGFBP2, FGFBP3, FGFRL1, FGFRL1OP2, FGFRL2, FGFRL3, FGFRL4, FGFRL5, FGG, FGGY, FGL1, FGL2, FGR, FH, FHAD1, FHDC1, FHIP1A, FHIP1B, FHIP2A, FHIP2B, FHIT, FHL1, FHL2, FHL3, FHL5, FHOD1, FHOD3, FIBCD1, FIBIN, FIBP, FICD, FIG4, FIGLA, FIGN, FIGNL1, FIGNL2, FILIP1, FILIP1L, FIP1L1, FIRRM, FIS1, FITM1, FITM2, FIZ1, FJX1, FKBP10, FKBP11, FKBP14, FKBP15, FKBP1A, FKBP1A-SDCBP2, FKBP1B, FKBP2, FKBP3, FKBP4, FKBP5, FKBP6, FKBP7, FKBP8, FKBPL, FKRP, FKTN, FLACC1, FLAD1, FLCN, FLG, FLG-AS1, FLG2, FLI1, FLII, FLNA, FLNB, FLNC, FLOT1, FLOT2, FLRT1, FLRT2, FLRT3, FLT1, FLT3, FLT3LG, FLT4, FLVCR1, FLVCR2, FLYWCH1, FLYWCH2, FMC1, FMC1-LUC7L2, FMN1, FMN2, FMNL1, FMNL2,

FMNL3, FMO1, FMO2, FMO3, FMO4, FMO5, FMOD, FMR1, FMR1NB, FN1, FN3K, FN3KRP, FNBP1, FNBP1L, FNBP4, FNDC1, FNDC10, FNDC11, FNDC3A, FNDC3B, FNDC4, FNDC5, FNDC7, FNDC8, FNDC9, FNIP1, FNIP2, FNTA, FNTB, FOCAD, FOLH1, FOLH1B, FOLR1, FOLR2, FOLR3, FOS, FOSB, FOSL1, FOSL2, FOXA1, FOXA2, FOXA3, FOXB1, FOXB2, FOXC1, FOXC2, FOXC2-AS1, FOXD1, FOXD2, FOXD3, FOXD4, FOXD4L1, FOXD4L5, FOXE1, FOXE3, FOXF1, FOXF2, FOXG1, FOXH1, FOXI1, FOXI2, FOXI3, FOXJ1, FOXJ2, FOXJ3, FOXK1, FOXK2, FOXL1, FOXL2, FOXL2NB, FOXM1, FOXN1, FOXN2, FOXN3, FOXN4, FOXO1, FOXO3, FOXO4, FOXO6, FOXP1, FOXP2, FOXP3, FOXP4, FOXQ1, FOXR1, FOXR2, FOXRED1, FOXRED2, FOXS1, FPGS, FPGT, FPGT-TNNI3K, FPR1, FPR2, FPR3, FRA10AC1, FRAS1, FRAT1, FRAT2, FREM1, FREM2, FREM3, FREY1, FRG1, FRG2, FRG2B, FRG2C, FRK, FRMD1, FRMD3, FRMD4A, FRMD4B, FRMD5, FRMD6, FRMD7, FRMD8, FRMPD1, FRMPD2, FRMPD3, FRMPD3-AS1, FRMPD4, FRRS1, FRRS1L, FRS2, FRS3, FRY, FRYL, FRZB, FSAF1, FSBP, FSCB, FSCN1, FSCN2, FSCN3, FSD1, FSD1L, FSD2, FSHB, FSHR, FSIP1, FSIP2, FST, FSTL1, FSTL3, FSTL4, FSTL5, FTCD, FTCDNL1, FTH1, FTHL17, FTHL18P, FTL, FTMT, FTO, FTSJ1, FTSJ3, FUBP1, FUBP3, FUCA1, FUCA2, FUNDC1, FUNDC2, FUOM, FURIN, FUS, FUT1, FUT10, FUT11, FUT2, FUT3, FUT4, FUT5, FUT6, FUT7, FUT8, FUT9, FUZ, FXN, FXR1, FXR2, FXYD1, FXYD2, FXYD3, FXYD4, FXYD5, FXYD6, FXYD6-FXYD2, FXYD7, FYB1, FYB2, FYCO1, FYN, FYTTD1, FZD1, FZD10, FZD2, FZD3, FZD4, FZD5, FZD6, FZD7, FZD8, FZD9, FZR1, G0S2, G2E3, G3BP1, G3BP2, G6PC1, G6PC2, G6PC3, G6PD, GAA, GAB1, GAB2, GAB3, GAB4, GABARAP, GABARAPL1, GABARAPL2, GABBR1, GABBR2, GABPA, GABPB1, GABPB2, GABRA1, GABRA2, GABRA3, GABRA4, GABRA5, GABRA6, GABRB1, GABRB2, GABRB3, GABRD, GABRE, GABRG1, GABRG2, GABRG3, GABRP, GABRQ, GABRR1, GABRR2, GABRR3, GAD1, GAD2, GADD45A, GADD45B, GADD45G, GADD45GIP1, GADL1, GAGE1, GAGE10, GAGE12B, GAGE12C, GAGE12E, GAGE12F, GAGE12G, GAGE12H, GAGE12I, GAGE13, GAGE2A, GAGE2C, GAGE2D, GAK, GAL, GAL3ST1, GAL3ST2, GAL3ST3, GAL3ST4, GALT, GALE, GALK1, GALK2, GALM, GALNS, GALNT1, GALNT10, GALNT11, GALNT12, GALNT13, GALNT14, GALNT15, GALNT16, GALNT17, GALNT18, GALNT2, GALNT3, GALNT4, GALNT5, GALNT6, GALNT7, GALNT8, GALNT9, GALNTL5, GALNTL6, GALP, GALR1, GALR2, GALR3, GALT, GAMT, GAN, GANAB, GANC, GAP43, GAPDH, GAPDHS, GAPT, GAPVD1, GAR1, GAREM1, GAREM2, GARIN1A, GARIN1B, GARIN2, GARIN3, GARIN4, GARIN5A, GARIN5B, GARIN6, GARNL3, GARRE1, GARS1, GART, GAS1, GAS2, GAS2L1, GAS2L2, GAS2L3, GAS6, GAS6-AS1, GAS7, GAS8, GASK1A, GASK1B, GAST, GATA1, GATA2, GATA3, GATA4, GATA5, GATA6, GATAD1, GATAD2A, GATAD2B, GATB, GATC, GATD1, GATD3, GATM, GBA1, GBA2, GBA3, GBE1, GBF1, GBGT1, GBP1, GBP2, GBP3, GBP4, GBP5, GBP6, GBP7, GBX1, GBX2, GC, GCA, GCAT, GCC1, GCC2, GCDH, GCFC2, GCG, GCGR, GCH1, GCHFR, GCK, GCKR, GCLC, GCLM, GCM1, GCM2, GCN1, GCNA, GCNT1, GCNT2, GCNT3, GCNT4, GCNT7, GCOM1, GCSAM, GCSAML, GCSH, GDA, GDAP1, GDAP1L1, GDAP2, GDE1, GDF1, GDF10, GDF11, GDF15, GDF2, GDF3, GDF5, GDF6, GDF7, GDF9, GDI1, GDI2, GDNF, GDNF-AS1, GDPD1, GDPD2, GDPD3, GDPD4, GDPD5, GDPGP1, GEM, GEMIN2, GEMIN4, GEMIN5, GEMIN6, GEMIN7, GEMIN8, GEN1, GET1, GET3, GET4, GFAP, GFER, GFI1, GFI1B, GFM1, GFM2, GFOD1, GFOD2, GFPT1, GFPT2, GFRA1, GFRA2, GFRA3, GFRA4, GFRAL, GFUS, GFY, GGA1, GGA2, GGA3, GGACT, GGCT, GGCX, GGH, GGN, GGNBP2, GGPS1, GGT1, GGT2P, GGT5, GGT6, GGT7, GGTL1, GGTL2, GH1, GH2, GHDC, GHITM, GHR, GHRH, GHRHR, GHRL, GHSR, GID4, GID8, GIGYF1, GIGYF2, GIMAP1, GIMAP1-GIMAP5, GIMAP2, GIMAP4, GIMAP5, GIMAP6, GIMAP7, GIMAP8, GIMD1, GIN1, GINM1, GINS1, GINS2, GINS3, GINS4, GIP, GIPC1, GIPC2, GIPC3, GIPR, GIT1, GIT2, GJA1, GJA10, GJA3, GJA4, GJA5, GJA8, GJA9, GJB1, GJB2, GJB3, GJB4, GJB5, GJB6, GJB7, GJC1, GJC2, GJC3, GJD2, GJD3, GJD4, GK, GK2, GK5, GKAP1, GKN1, GKN2, GLA, GLB1, GLB1L, GLB1L2, GLB1L3, GLCCI1, GLCE, GLDC, GLDN, GLE1, GLG1, GLI1, GLI2, GLI3, GLI4, GLIPR1, GLIPR1L1, GLIPR1L2, GLIPR2, GLIS1, GLIS2, GLIS3, GLIS3-AS1, GLMN, GLMP, GLO1, GLOD4, GLOD5, GLP1R, GLP2R, GLRA1, GLRA2, GLRA3, GLRA4, GLRB, GLRX, GLRX2, GLRX3, GLRX5, GLS, GLS2, GLT1D1, GLT6D1, GLT8D1, GLT8D2, GLTP, GLTPD2, GLUD1, GLUD2, GLUL, GLYAT, GLYATL1, GLYATL2, GLYATL3, GLYCTK, GLYR1, GM2A, GMCL1, GMDS, GMEB1, GMEB2, GMFB, GMFG, GMIP, GML, GMNC, GMNN, GMPPA, GMPPB, GMPR, GMPR2, GMPS, GNA11, GNA12, GNA13, GNA14, GNA15, GNAI1, GNAI2, GNAI3, GNAL, GNAO1, GNAQ, GNAS, GNAT1, GNAT2, GNAT3, GNAZ, GNB1, GNB1L, GNB2, GNB3, GNB4, GNB5, GNE,

GNG10, GNG11, GNG12, GNG12-AS1, GNG13, GNG2, GNG3, GNG4, GNG5, GNG7, GNG8, GNGT1, GNGT2, GNL1, GNL2, GNL3, GNL3L, GNLY, GNMT, GNPAT, GNPDA1, GNPDA2, GNPAT1, GNPTAB, GNPTG, GNRH1, GNRH2, GNRHR, GNS, GOLGA1, GOLGA2, GOLGA3, GOLGA4, GOLGA5, GOLGA6A, GOLGA6B, GOLGA6C, GOLGA6D, GOLGA6L1, GOLGA6L10, GOLGA6L2, GOLGA6L3P, GOLGA6L4, GOLGA6L5P, GOLGA7, GOLGA7B, GOLGA8A, GOLGA8B, GOLGA8H, GOLGA8IP, GOLGA8J, GOLGA8K, GOLGA8M, GOLGA8N, GOLGA8O, GOLGA8R, GOLGA8T, GOLGB1, GOLIM4, GOLM1, GOLM2, GOLPH3, GOLPH3L, GOLT1A, GOLT1B, GON4L, GON7, GOPC, GORAB, GORASP1, GORASP2, GOSR1, GOSR2, GOT1, GOT1L1, GOT2, GP1BA, GP1BB, GP2, GP5, GP6, GP9, GPA33, GPAA1, GPALPP1, GPAM, GPANK1, GPAT2, GPAT3, GPAT4, GPATCH1, GPATCH11, GPATCH2, GPATCH2L, GPATCH3, GPATCH4, GPATCH8, GPBAR1, GPBP1, GPBP1L1, GPC1, GPC2, GPC3, GPC4, GPC5, GPC6, GPCPD1, GPD1, GPD1L, GPD2, GPER1, GPHA2, GPHB5, GPHN, GPI, GPIHBP1, GPKOW, GPLD1, GPM6A, GPM6B, GPN1, GPN2, GPN3, GPNMB, GPR101, GPR107, GPR108, GPR119, GPR12, GPR132, GPR135, GPR137, GPR137B, GPR137C, GPR139, GPR141, GPR142, GPR143, GPR146, GPR148, GPR149, GPR15, GPR150, GPR151, GPR152, GPR153, GPR155, GPR156, GPR157, GPR158, GPR158-AS1, GPR15LG, GPR160, GPR161, GPR162, GPR17, GPR171, GPR173, GPR174, GPR176, GPR179, GPR18, GPR180, GPR182, GPR183, GPR19, GPR20, GPR21, GPR22, GPR25, GPR26, GPR27, GPR3, GPR31, GPR32, GPR33, GPR34, GPR35, GPR37, GPR37L1, GPR39, GPR4, GPR45, GPR50, GPR52, GPR55, GPR6, GPR61, GPR62, GPR63, GPR65, GPR68, GPR75, GPR75-ASB3, GPR78, GPR82, GPR83, GPR84, GPR85, GPR87, GPR88, GPR89A, GPR89B, GPRASP1, GPRASP2, GPRASP3, GPRC5A, GPRC5B, GPRC5C, GPRC5D, GPRC6A, GPRIN1, GPRIN2, GPRIN3, GPS1, GPS2, GPSM1, GPSM2, GPSM3, GPT, GPT2, GPX1, GPX2, GPX3, GPX4, GPX5, GPX6, GPX7, GPX8, GRAMD1A, GRAMD1B, GRAMD1C, GRAMD2A, GRAMD2B, GRAMD4, GRAP, GRAP2, GRB10, GRB14, GRB2, GRB7, GREB1, GREB1L, GREM1, GREM2, GRHL1, GRHL2, GRHL3, GRHPR, GRIA1, GRIA2, GRIA3, GRIA4, GRID1, GRID2, GRID2IP, GRIFIN, GRIK1, GRIK2, GRIK3, GRIK4, GRIK5, GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D, GRIN3A, GRIN3B, GRINA, GRIP1, GRIP2, GRIPAP1, GRK1, GRK2, GRK3, GRK4, GRK5, GRK6, GRK7, GRM1, GRM2, GRM3, GRM4, GRM5, GRM6, GRM7, GRM8, GRN, GRP, GRPEL1, GRPEL2, GRPEL2-AS1, GRPR, GRSF1, GRTP1, GRTP1-AS1, GRWD1, GRXCR1, GRXCR2, GSAP, GSC, GSC2, GSDMA, GSDMB, GSDMC, GSDMD, GSDME, GSE1, GSG1, GSG1L, GSG1L2, GSK3A, GSK3B, GSKIP, GSN, GSPT1, GSPT2, GSR, GSS, GSTA1, GSTA2, GSTA3, GSTA4, GSTA5, GSTCD, GSTK1, GSTM1, GSTM2, GSTM3, GSTM4, GSTM5, GSTO1, GSTO2, GSTP1, GSTT2B, GSTZ1, GSX1, GSX2, GTDC1, GTF2A1, GTF2A1L, GTF2A2, GTF2B, GTF2E1, GTF2E2, GTF2F1, GTF2F2, GTF2H1, GTF2H2, GTF2H2C, GTF2H3, GTF2H4, GTF2H5, GTF2I, GTF2IRD1, GTF2IRD2, GTF3A, GTF3C1, GTF3C2, GTF3C2-AS1, GTF3C3, GTF3C4, GTF3C5, GTF3C6, GTPBP1, GTPBP10, GTPBP2, GTPBP3, GTPBP4, GTPBP8, GTSCR1, GTSE1, GTSF1, GTSF1L, GUCA1A, GUCA1B, GUCA1C, GUCA2A, GUCA2B, GUCD1, GUCY1A1, GUCY1A2, GUCY1B1, GUCY2C, GUCY2D, GUCY2F, GUF1, GUK1, GULP1, GUSB, GXYL1, GXYL2, GYG1, GYG2, GYPA, GYPB, GYPC, GYPE, GYS1, GYS2, GZF1, GZMA, GZMB, GZMH, GZMK, GZMM, H1-0, H1-1, H1-10, H1-2, H1-3, H1-4, H1-5, H1-6, H1-7, H1-8, H2AB1, H2AB2, H2AC1, H2AC11, H2AC12, H2AC13, H2AC14, H2AC15, H2AC16, H2AC17, H2AC18, H2AC20, H2AC21, H2AC25, H2AC4, H2AC6, H2AC7, H2AC8, H2AJ, H2AP, H2AX, H2AZ1, H2AZ2, H2BC1, H2BC10, H2BC11, H2BC12, H2BC13, H2BC14, H2BC15, H2BC17, H2BC18, H2BC21, H2BC26, H2BC3, H2BC4, H2BC5, H2BC6, H2BC7, H2BC8, H2BC9, H2BW1, H2BW2, H3-3A, H3-3B, H3-4, H3-5, H3C1, H3C10, H3C11, H3C12, H3C13, H3C15, H3C2, H3C3, H3C4, H3C6, H3C7, H3C8, H3P6, H4C1, H4C11, H4C12, H4C13, H4C15, H4C16, H4C2, H4C3, H4C4, H4C5, H4C6, H4C7, H4C8, H4C9, H6PD, HAAO, HABP2, HABP4, HACD1, HACD2, HACD3, HACD4, HACE1, HAACL1, HADH, HADHA, HADHB, HAGH, HAGHL, HAL, HAMP, HAND1, HAND2, HAO1, HAO2, HAP1, HAPLN1, HAPLN2, HAPLN3, HAPLN4, HAPSTR1, HARBI1, HARS1, HARS2, HAS1, HAS2, HAS3, HASPIN, HAT1, HAUS1, HAUS2, HAUS3, HAUS4, HAUS5, HAUS6, HAUS7, HAUS8, HAVCR1, HAVCR2, HAX1, HBA1, HBA2, HBB, HBD, HBE1, HBEGF, HBG1, HBG2, HBM, HBP1, HBQ1, HBS1L, HBZ, HCAR1, HCAR2, HCAR3, HCCS, HCFC1, HCFC1R1, HCFC2, HCG22, HCG25, HCG27, HCK, HCLS1, HCN1, HCN2, HCN3, HCN4, HCRT, HCRTR1, HCRTR2, HCST, HDAC1, HDAC10, HDAC11, HDAC2, HDAC3, HDAC4, HDAC5, HDAC6, HDAC7, HDAC8, HDAC9, HDC, HDCC2, HDCC3, HDGF, HDGFL1, HDGFL2, HDGFL3,

HDHD2, HDHD3, HDHD5, HDLBP, HDX, HEATR1, HEATR3, HEATR4, HEATR5A, HEATR5B, HEATR6, HEATR9, HEBP1, HEBP2, HECA, HECTD1, HECTD2, HECTD3, HECTD4, HECW1, HECW2, HEG1, HELB, HELLS, HELQ, HELT, HELZ, HELZ2, HEMGN, HEMK1, HENMT1, HEPACAM, HEPACAM2, HEPH, HEPHL1, HEPN1, HERC1, HERC2, HERC3, HERC4, HERC5, HERC6, HERPUD1, HERPUD2, HES1, HES2, HES3, HES4, HES5, HES6, HES7, HESX1, HEXA, HEXB, HEXD, HEXIM1, HEXIM2, HEY1, HEY2, HEYL, HFE, HFM1, HGD, HGF, HGFAC, HGS, HGSNAT, HHAT, HHATL, HHEX, HHIP, HHIPL1, HHIPL2, HHLA1, HHLA2, HIBADH, HIBCH, HIC1, HIC2, HID1, HIF1A, HIF1AN, HIF3A, HIGD1A, HIGD1B, HIGD1C, HIGD2A, HIGD2B, HIKESHI, HILPDA, HINFP, HINT1, HINT2, HINT3, HIP1, HIP1R, HIPK1, HIPK2, HIPK3, HIPK4, HIRA, HIRIP3, HIVEP1, HIVEP2, HIVEP3, HJURP, HJV, HK1, HK2, HK3, HKDC1, HLA-A, HLA-B, HLA-C, HLA-DMA, HLA-DMB, HLA-DOA, HLA-DOB, HLA-DPA1, HLA-DPB1, HLA-DQA1, HLA-DQA2, HLA-DQB1, HLA-DQB2, HLA-DRA, HLA-DRB1, HLA-DRB5, HLA-E, HLA-F, HLA-G, HLCS, HLF, HLTF, HLX, HLX-AS1, HM13, HMBOX1, HMBS, HMCES, HMCN1, HMCN2, HMG20A, HMG20B, HMGA1, HMGA2, HMGB1, HMGB2, HMGB3, HMGB4, HMGCL, HMGCLL1, HMGCR, HMGCS1, HMGCS2, HMGN1, HMGN2, HMGN2P46, HMGN3, HMGN4, HMGN5, HMGXB3, HMGXB4, HMHB1, HMMR, HMMR-AS1, HMOX1, HMOX2, HMSD, HMX1, HMX2, HMX3, HNF1A, HNF1B, HNF4A, HNF4G, HNMT, HNRNPA0, HNRNPA1, HNRNPA1L2, HNRNPA2B1, HNRNPA3, HNRNPAB, HNRNPC, HNRNPCL1, HNRNPCL2, HNRNPD, HNRNPD, HNRNPD, HNRNPF, HNRNPH1, HNRNPH2, HNRNPH3, HNRNPK, HNRNPL, HNRNPLL, HNRNPM, HNRNPR, HNRNPU, HNRNPUL1, HNRNPUL2, HNRNPUL2-BSCL2, HOATZ, HOGA1, HOMER1, HOMER2, HOMER3, HOMEZ, HOOK1, HOOK2, HOOK3, HOPX, HORMAD1, HORMAD2, HORMAD2-AS1, HOXA1, HOXA10, HOXA11, HOXA13, HOXA2, HOXA3, HOXA4, HOXA5, HOXA6, HOXA7, HOXA9, HOXB-AS1, HOXB1, HOXB13, HOXB2, HOXB3, HOXB4, HOXB5, HOXB6, HOXB7, HOXB8, HOXB9, HOXC-AS3, HOXC10, HOXC11, HOXC12, HOXC13, HOXC13-AS, HOXC4, HOXC5, HOXC6, HOXC8, HOXC9, HOXD1, HOXD10, HOXD11, HOXD12, HOXD13, HOXD3, HOXD4, HOXD8, HOXD9, HP, HP1BP3, HPCA, HPCAL1, HPCAL4, HPD, HPDL, HPF1, HPGD, HPGDS, HPN, HPN-AS1, HPR, HPRT1, HPS1, HPS3, HPS4, HPS5, HPS6, HPSE, HPSE2, HPX, HR, HRAS, HRC, HRCT1, HRG, HRH1, HRH2, HRH3, HRH4, HRK, HROB, HS1BP3, HS2ST1, HS3ST1, HS3ST2, HS3ST3B1, HS3ST4, HS3ST5, HS3ST6, HS6ST1, HS6ST2, HS6ST3, HSBP1, HSBP1L1, HSCB, HSD11B1, HSD11B1L, HSD11B2, HSD17B1, HSD17B10, HSD17B11, HSD17B12, HSD17B13, HSD17B14, HSD17B2, HSD17B3, HSD17B4, HSD17B6, HSD17B7, HSD17B8, HSD3B1, HSD3B2, HSD3B7, HSDL1, HSDL2, HSF1, HSF2, HSF2BP, HSF4, HSF5, HSFY1, HSH2D, HSP90AA1, HSP90AB1, HSP90B1, HSPA12A, HSPA12B, HSPA13, HSPA14, HSPA1L, HSPA2, HSPA4, HSPA4L, HSPA5, HSPA6, HSPA8, HSPA9, HSPB1, HSPB2, HSPB2-C11orf52, HSPB3, HSPB6, HSPB7, HSPB8, HSPB9, HSPBAP1, HSPBP1, HSPD1, HSPE1, HSPE1-MOB4, HSPG2, HSPH1, HTATIP2, HTATSF1, HTN1, HTN3, HTR1A, HTR1B, HTR1D, HTR1E, HTR1F, HTR2A, HTR2B, HTR2C, HTR3A, HTR3B, HTR3C, HTR3D, HTR3E, HTR3E-AS1, HTR4, HTR5A, HTR5A-AS1, HTR6, HTR7, HTRA1, HTRA2, HTRA3, HTRA4, HTT, HUNK, HUS1, HUS1B, HUWE1, HVCN1, HYAL1, HYAL2, HYAL3, HYAL4, HYCC1, HYCC2, HYDIN, HYI, HYKK, HYLS1, HYOU1, HYPK, IAH1, IAPP, IARS1, IARS2, IBA57, IBSP, IBTK, ICA1, ICA1L, ICAM1, ICAM2, ICAM3, ICAM4, ICAM5, ICE1, ICE2, ICMT, ICOS, ICOSLG, ID1, ID2, ID3, ID4, IDE, IDH1, IDH2, IDH3A, IDH3B, IDH3G, IDI1, IDI2, IDI2-AS1, IDNK, IDO1, IDO2, IDS, IDUA, IER2, IER3, IER3IP1, IER5, IER5L, IFFO1, IFFO2, IFI16, IFI27, IFI27L1, IFI27L2, IFI30, IFI35, IFI44, IFI44L, IFI6, IFIH1, IFIT1, IFIT1B, IFIT2, IFIT3, IFIT5, IFITM1, IFITM10, IFITM2, IFITM3, IFITM5, IFNA10, IFNA14, IFNA16, IFNA17, IFNA2, IFNA21, IFNA4, IFNA5, IFNA6, IFNA7, IFNA8, IFNAR1, IFNAR2, IFNB1, IFNE, IFNG, IFNGR1, IFNGR2, IFNK, IFNL1, IFNL2, IFNL3, IFNLR1, IFNW1, IFRD1, IFRD2, IFT122, IFT140, IFT172, IFT20, IFT22, IFT25, IFT27, IFT43, IFT46, IFT52, IFT56, IFT57, IFT70A, IFT70B, IFT74, IFT80, IFT81, IFT88, IFTAP, IGBP1, IGDC3, IGDC4, IGF1, IGF1R, IGF2, IGF2-AS, IGF2BP1, IGF2BP2, IGF2BP3, IGF2R, IGFALS, IGFBP1, IGFBP2, IGFBP3, IGFBP4, IGFBP5, IGFBP6, IGFBP7, IGFBP7-AS1, IGFBPL1, IGFL1, IGFL2, IGFL3, IGFL4, IGFLR1, IGFN1, IGHMBP2, IGIP, IGLL1, IGLL5, IGLON5, IGSF1, IGSF10, IGSF11, IGSF21, IGSF22, IGSF23, IGSF3, IGSF5, IGSF6, IGSF8, IGSF9, IGSF9B, IHH, IHO1, IK, IKBIP, IKBKB, IKBKE, IKBKG, IKZF1, IKZF2, IKZF3, IKZF4, IKZF5, IL10, IL10RA, IL10RB, IL11, IL11RA, IL12A, IL12A-AS1, IL12B, IL12RB1, IL12RB2, IL13, IL13RA1, IL13RA2, IL15, IL15RA, IL16, IL17A, IL17B, IL17C, IL17D, IL17E, IL17F, IL17RA, IL17RB, IL17RC, IL17RD, IL17RE,

IL17REL, IL18, IL18BP, IL18R1, IL18RAP, IL19, IL1A, IL1B, IL1F10, IL1R1, IL1R2, IL1RAP, IL1RAPL1, IL1RAPL2, IL1RL1, IL1RL2, IL1RN, IL2, IL20, IL20RA, IL20RB, IL21, IL21-AS1, IL21R, IL21R-AS1, IL22, IL22RA1, IL22RA2, IL23A, IL23R, IL24, IL25, IL26, IL27, IL27RA, IL2RA, IL2RB, IL2RG, IL3, IL31, IL31RA, IL32, IL33, IL34, IL36A, IL36B, IL36G, IL36RN, IL37, IL4, IL4I1, IL4R, IL5, IL5RA, IL6, IL6R, IL6ST, IL7, IL7R, IL9, ILDR1, ILDR2, ILF2, ILF3, ILK, ILKAP, ILRUN, ILVBL, IMMMP1L, IMMMP2L, IMMT, IMP3, IMP4, IMPA1, IMPA2, IMPACT, IMPDH1, IMPDH2, IMPG1, IMPG2, INA, INAFM1, INAFM2, INAVA, INCA1, INCENP, INF2, ING1, ING2, ING3, ING4, ING5, INHA, INHBA, INHBB, INHBC, INHBE, INIP, INKA1, INKA2, INMT, INMT-MINDY4, INO80, INO80B, INO80B-WBP1, INO80C, INO80D, INO80E, INPP1, INPP4A, INPP4B, INPP5A, INPP5B, INPP5D, INPP5E, INPP5F, INPP5J, INPP5K, INPPL1, INS, INS-IGF2, INSC, INSIG1, INSIG2, INSL3, INSL4, INSL5, INSL6, INSM1, INSM2, INSR, INSR, INSYN1, INSYN2A, INSYN2B, INTS1, INTS10, INTS11, INTS12, INTS13, INTS14, INTS15, INTS2, INTS3, INTS4, INTS5, INTS6, INTS6L, INTS7, INTS8, INTS9, INTU, INVS, IP6K1, IP6K2, IP6K3, IPCEF1, IPMK, IPO11, IPO13, IPO4, IPO5, IPO7, IPO8, IPO9, IPO9-AS1, IPP, IPPK, IQCA1, IQCA1L, IQCB1, IQCC, IQCD, IQCE, IQCF1, IQCF2, IQCF3, IQCF5, IQCF6, IQCG, IQCH, IQCH-AS1, IQCJ, IQCJ-SCHIP1, IQCK, IQCN, IQGAP1, IQGAP2, IQGAP3, IQSEC1, IQSEC2, IQSEC3, IQUB, IRAG1, IRAG1-AS1, IRAG2, IRAK1, IRAK1BP1, IRAK2, IRAK3, IRAK4, IREB2, IRF1, IRF2, IRF2BP1, IRF2BP2, IRF2BPL, IRF3, IRF4, IRF5, IRF6, IRF7, IRF8, IRF9, IRGC, IRGM, IRGQ, IRS1, IRS2, IRS4, IRX1, IRX2, IRX2-DT, IRX3, IRX4, IRX5, IRX6, ISCA1, ISCA2, ISCU, ISG15, ISG20, ISG20L2, ISL1, ISL2, ISLR, ISLR2, ISM1, ISM2, ISOC1, ISOC2, IST1, ISX, ISY1, ISY1-RAB43, ISYNA1, ITCH, ITFG1, ITFG1-AS1, ITFG2, ITGA1, ITGA10, ITGA11, ITGA2, ITGA2B, ITGA3, ITGA4, ITGA5, ITGA6, ITGA7, ITGA8, ITGA9, ITGAD, ITGAE, ITGAL, ITGAM, ITGAV, ITGAX, ITGB1, ITGB1BP1, ITGB1BP2, ITGB2, ITGB3, ITGB3BP, ITGB4, ITGB5, ITGB6, ITGB7, ITGB8, ITGBL1, ITIH1, ITIH2, ITIH3, ITIH4, ITIH4-AS1, ITIH5, ITIH6, ITK, ITLN1, ITLN2, ITM2A, ITM2B, ITM2C, ITPA, ITPK1, ITPKA, ITPKB, ITPKC, ITPR1, ITPR2, ITPR3, ITPRID1, ITPRID2, ITPRIP, ITPRIPL1, ITPRIPL2, ITSN1, ITSN2, IVD, IVL, IVNS1ABP, IWS1, IYD, IZUMO1, IZUMO1R, IZUMO2, IZUMO3, IZUMO4, JADE1, JADE2, JADE3, JAG1, JAG2, JAGN1, JAK1, JAK2, JAK3, JAKMIP1, JAKMIP2, JAKMIP2-AS1, JAKMIP3, JAM2, JAM3, JAML, JARID2, JAZF1, JAZF1-AS1, JCAD, JCHAIN, JDP2, JHY, JKAMP, JMJD1C, JMJD1C-AS1, JMJD4, JMJD6, JMJD7, JMJD7-PLA2G4B, JMJD8, JMY, JOSD1, JOSD2, JPH1, JPH2, JPH3, JPH4, JPT1, JPT2, JRK, JRKL, JSRP1, JTB, JUN, JUNB, JUND, JUP, KAAG1, KALRN, KANK1, KANK2, KANK3, KANK4, KANSL1, KANSL1L, KANSL2, KANSL3, KARS1, KASH5, KAT2A, KAT2B, KAT5, KAT6A, KAT6B, KAT7, KAT8, KATNA1, KATNAL1, KATNAL2, KATNB1, KATNBL1, KATNIP, KAZALD1, KAZN, KBTBD11, KBTBD12, KBTBD13, KBTBD2, KBTBD3, KBTBD4, KBTBD6, KBTBD7, KBTBD8, KCMF1, KCNA1, KCNA10, KCNA2, KCNA3, KCNA4, KCNA5, KCNA6, KCNA7, KCNAB1, KCNAB2, KCNAB3, KCNB1, KCNB2, KCNC1, KCNC2, KCNC3, KCNC4, KCND1, KCND2, KCND3, KCNE1, KCNE2, KCNE3, KCNE4, KCNE5, KCNF1, KCNG1, KCNG2, KCNG3, KCNG4, KCNH1, KCNH2, KCNH3, KCNH4, KCNH5, KCNH6, KCNH7, KCNH8, KCNIP1, KCNIP2, KCNIP2-AS1, KCNIP3, KCNIP4, KCNJ1, KCNJ10, KCNJ11, KCNJ13, KCNJ14, KCNJ15, KCNJ16, KCNJ2, KCNJ3, KCNJ4, KCNJ5, KCNJ5-AS1, KCNJ6, KCNJ8, KCNJ9, KCNK1, KCNK10, KCNK12, KCNK13, KCNK15, KCNK15-AS1, KCNK16, KCNK17, KCNK18, KCNK2, KCNK3, KCNK4, KCNK5, KCNK6, KCNK7, KCNK9, KCNMA1, KCNMA1-AS1, KCNMB1, KCNMB2, KCNMB3, KCNMB4, KCNN1, KCNN2, KCNN3, KCNN4, KCNQ1, KCNQ2, KCNQ3, KCNQ4, KCNQ5, KCNRG, KCNS1, KCNS2, KCNS3, KCNT1, KCNT2, KCNU1, KCNV1, KCNV2, KCP, KCTD1, KCTD10, KCTD11, KCTD12, KCTD13, KCTD14, KCTD15, KCTD16, KCTD17, KCTD18, KCTD19, KCTD2, KCTD20, KCTD21, KCTD21-AS1, KCTD3, KCTD4, KCTD5, KCTD6, KCTD7, KCTD8, KCTD9, KDEL1, KDEL2, KDEL3, KDF1, KDM1A, KDM1B, KDM2A, KDM2B, KDM3A, KDM3B, KDM4A, KDM4A-AS1, KDM4B, KDM4C, KDM4D, KDM4E, KDM5A, KDM5B, KDM5C, KDM5D, KDM6A, KDM6B, KDM7A, KDM8, KDR, KDSR, KEAP1, KEL, KERA, KGD4, KHDC1, KHDC1L, KHDC3L, KHDC4, KHDRBS1, KHDRBS2, KHDRBS3, KHK, KHNYN, KHSRP, KIAA0040, KIAA0232, KIAA0319, KIAA0319L, KIAA0408, KIAA0513, KIAA0586, KIAA0753, KIAA0825, KIAA0930, KIAA1107, KIAA1191, KIAA1210, KIAA1217, KIAA1328, KIAA1549, KIAA1549L, KIAA1586, KIAA1614, KIAA1755, KIAA1958, KIAA2012, KIAA2013, KICS2, KIDINS220, KIF11, KIF12, KIF13A, KIF13B, KIF14, KIF15, KIF16B, KIF17, KIF18A, KIF18B, KIF19, KIF1A, KIF1B, KIF1C, KIF20A, KIF20B, KIF21A, KIF21B, KIF22, KIF23, KIF24, KIF25, KIF26A, KIF26B, KIF27, KIF2A, KIF2B, KIF2C, KIF3A, KIF3B, KIF3C, KIF4A,

KIF4B, KIF5A, KIF5B, KIF5C, KIF6, KIF7, KIF9, KIF9-AS1, KIFAP3, KIFBP, KIFC1, KIFC2, KIFC3, KIN, KIR2DL1, KIR2DL3, KIR2DL4, KIR2DS4, KIR3DL1, KIR3DL2, KIR3DL3, KIRREL1, KIRREL2, KIRREL3, KISS1, KISS1R, KIT, KITLG, KIZ, KL, KLB, KLC1, KLC2, KLC3, KLC4, KLF1, KLF10, KLF11, KLF12, KLF13, KLF14, KLF15, KLF16, KLF17, KLF2, KLF3, KLF4, KLF5, KLF6, KLF7, KLF8, KLF9, KLHDC1, KLHDC10, KLHDC2, KLHDC3, KLHDC4, KLHDC7A, KLHDC7B, KLHDC8A, KLHDC8B, KLHDC9, KLHL1, KLHL10, KLHL11, KLHL12, KLHL13, KLHL14, KLHL15, KLHL17, KLHL18, KLHL2, KLHL20, KLHL21, KLHL22, KLHL23, KLHL24, KLHL25, KLHL26, KLHL28, KLHL29, KLHL3, KLHL30, KLHL31, KLHL32, KLHL33, KLHL34, KLHL35, KLHL36, KLHL38, KLHL4, KLHL40, KLHL41, KLHL42, KLHL5, KLHL6, KLHL7, KLHL8, KLHL9, KLK1, KLK10, KLK11, KLK12, KLK13, KLK14, KLK15, KLK2, KLK3, KLK4, KLK5, KLK6, KLK7, KLK8, KLK9, KLKB1, KLN, KLRB1, KLRC1, KLRC2, KLRC3, KLRC4, KLRC4-KLRK1, KLRD1, KLRF1, KLRF2, KLRG1, KLRG2, KLRK1, KMO, KMT2A, KMT2B, KMT2C, KMT2D, KMT2E, KMT5A, KMT5B, KMT5C, KNCN, KNDC1, KNG1, KNL1, KNOP1, KNSTRN, KNTC1, KPLCE, KPNA1, KPNA2, KPNA3, KPNA4, KPNA5, KPNA6, KPNA7, KPNB1, KPRP, KPTN, KRAS, KRBA1, KRBA2, KRBOX1, KRBOX4, KRBOX5, KRCC1, KREMEN1, KREMEN2, KR11, KRIT1, KRR1, KRT1, KRT10, KRT10-AS1, KRT12, KRT13, KRT14, KRT15, KRT16, KRT17, KRT18, KRT19, KRT2, KRT20, KRT222, KRT23, KRT24, KRT25, KRT26, KRT27, KRT28, KRT3, KRT31, KRT32, KRT33A, KRT33B, KRT34, KRT35, KRT36, KRT37, KRT38, KRT39, KRT4, KRT40, KRT5, KRT6A, KRT6B, KRT6C, KRT7, KRT71, KRT72, KRT73, KRT74, KRT75, KRT76, KRT77, KRT78, KRT79, KRT8, KRT80, KRT81, KRT82, KRT83, KRT84, KRT85, KRT86, KRT9, KRTAP1-1, KRTAP1-3, KRTAP1-4, KRTAP1-5, KRTAP10-1, KRTAP10-10, KRTAP10-11, KRTAP10-12, KRTAP10-2, KRTAP10-3, KRTAP10-4, KRTAP10-5, KRTAP10-6, KRTAP10-7, KRTAP10-8, KRTAP10-9, KRTAP11-1, KRTAP12-1, KRTAP12-2, KRTAP12-3, KRTAP12-4, KRTAP13-1, KRTAP13-2, KRTAP13-3, KRTAP13-4, KRTAP15-1, KRTAP16-1, KRTAP17-1, KRTAP19-1, KRTAP19-3, KRTAP19-4, KRTAP19-6, KRTAP19-8, KRTAP2-1, KRTAP2-2, KRTAP2-3, KRTAP2-4, KRTAP20-1, KRTAP20-2, KRTAP20-3, KRTAP20-4, KRTAP21-1, KRTAP21-2, KRTAP21-3, KRTAP22-1, KRTAP22-2, KRTAP23-1, KRTAP24-1, KRTAP25-1, KRTAP26-1, KRTAP27-1, KRTAP29-1, KRTAP3-1, KRTAP3-2, KRTAP3-3, KRTAP4-1, KRTAP4-11, KRTAP4-12, KRTAP4-2, KRTAP4-3, KRTAP4-4, KRTAP4-5, KRTAP4-6, KRTAP4-7, KRTAP4-8, KRTAP4-9, KRTAP5-1, KRTAP5-10, KRTAP5-11, KRTAP5-2, KRTAP5-3, KRTAP5-5, KRTAP5-6, KRTAP5-7, KRTAP5-8, KRTAP5-9, KRTAP5-AS1, KRTAP6-1, KRTAP6-2, KRTAP6-3, KRTAP7-1, KRTAP8-1, KRTAP9-1, KRTAP9-2, KRTAP9-3, KRTAP9-4, KRTAP9-6, KRTAP9-7, KRTAP9-8, KRTAP9-9, KRTPAP2, KRTPAP3, KRTPAP, KSR1, KSR2, KTI12, KTN1, KXD1, KY, KYAT1, KYAT3, KYNU, L1CAM, L1TD1, L2HGDH, L3HYPDH, L3MBTL1, L3MBTL2, L3MBTL3, L3MBTL4, LACC1, LACRT, LACTB, LACTB2, LACTBL1, LAD1, LAG3, LAGE3, LAIR1, LAIR2, LALBA, LAMA1, LAMA2, LAMA3, LAMA4, LAMA5, LAMA5-AS1, LAMB1, LAMB2, LAMB3, LAMB4, LAMC1, LAMC2, LAMC3, LAMP1, LAMP2, LAMP3, LAMP5, LAMP5-AS1, LAMTOR1, LAMTOR2, LAMTOR3, LAMTOR4, LAMTOR5, LANCL1, LANCL2, LANCL3, LAP3, LAPTM4A, LAPTM4B, LAPTM5, LARGE1, LARGE2, LARP1, LARP1B, LARP4, LARP4B, LARP6, LARP7, LARS1, LARS2, LAS1L, LASP1, LAT, LAT2, LATS1, LATS2, LAX1, LAYN, LBH, LBHD1, LBP, LBR, LBX1, LBX2, LCA5, LCA5L, LCAT, LCE1A, LCE1B, LCE1C, LCE1D, LCE1E, LCE1F, LCE2A, LCE2B, LCE2C, LCE2D, LCE3A, LCE3B, LCE3C, LCE3D, LCE3E, LCE4A, LCE5A, LCE6A, LCK, LCLAT1, LCMT1, LCMT2, LCN1, LCN10, LCN12, LCN15, LCN2, LCN6, LCN8, LCN9, LCNL1, LCOR, LCORL, LCP1, LCP2, LCT, LCTL, LDAF1, LDAH, LDB1, LDB2, LDB3, LDHA, LDHAL6A, LDHAL6B, LDHB, LDHC, LDHD, LDLR, LDLRAD1, LDLRAD2, LDLRAD3, LDLRAD4, LDLRAP1, LDOC1, LEAP2, LECT2, LEF1, LEF1-AS1, LEFTY1, LEFTY2, LEKR1, LELP1, LEMD1, LEMD2, LEMD3, LENEP, LENG1, LENG8, LENG9, LEO1, LEP, LEPR, LEPROT, LEPROTL1, LETM1, LETM2, LETMD1, LEUTX, LFNG, LGALS1, LGALS12, LGALS13, LGALS14, LGALS16, LGALS2, LGALS3, LGALS3BP, LGALS4, LGALS7, LGALS7B, LGALS8, LGALS9, LGALS9B, LGALS9C, LGALS9D, LGALS9E, LGALS9F, LGALS9G, LGALS9H, LGALS9I, LGALS9J, LGALS9K, LGALS9L, LGALS9M, LGALS9N, LGALS9O, LGALS9P, LGALS9Q, LGALS9R, LGALS9S, LGALS9T, LGALS9U, LGALS9V, LGALS9W, LGALS9X, LGALS9Y, LGALS9Z, LGI1, LGI2, LGI3, LGI4, LGMN, LGR4, LGR5, LGR6, LGSN, LHB, LHCGR, LHFPL1, LHFPL2, LHFPL3, LHFPL4, LHFPL5, LHFPL6, LHFPL7, LHP, LHX1, LHX2, LHX3, LHX4, LHX5, LHX6, LHX8, LHX9, LIAS, LIAT1, LIF, LIFR, LIG1, LIG3, LIG4, LILRA1, LILRA2, LILRA4, LILRB1, LILRB2, LILRB3, LILRB4, LILRB5, LIM2, LIMA1, LIMCH1, LIMD1, LIMD2, LIME1, LIMK1, LIMK2, LIMS2, LIMS3, LIMS4, LIN28A, LIN28B, LIN37, LIN52, LIN54, LIN7A, LIN7B, LIN7C, LIN9, LINC00452, LINC00664, LINC01140, LINC01620, LINC02693, LINC02694, LINC02860, LINC02868, LINC02870, LINC02872, LINC02873, LINC02874, LINC02875, LINC02876, LINC02877, LINC02881,

LINC02897, LINC02898, LINC02901, LINC02902, LINC02903, LINC02906, LINC02907, LINC02908, LINC02909, LINC02911, LINC02913, LINC02914, LINC03040, LINC03041, LINC03042, LINC03043, LINC03122, LINGO1, LINGO2, LINGO3, LINGO4, LINS1, LIPA, LIPC, LIPE, LIPF, LIPG, LIPH, LIPI, LIPJ, LIPK, LIPM, LIPN, LIPT1, LIPT2, LITAF, LIX1, LIX1L, LKAAEAR1, LLCFC1, LLGL1, LLGL2, LLPH, LMAN1, LMAN1L, LMAN2, LMAN2L, LMBR1, LMBR1L, LMBRD1, LMBRD2, LMCD1, LMF1, LMF2, LMLN, LMLN-AS1, LMNA, LMNB1, LMNB2, LMNTD1, LMNTD2, LMO1, LMO2, LMO3, LMO4, LMO7, LMO7-AS1, LMO7DN, LMOD1, LMOD2, LMOD3, LMTK2, LMTK3, LMX1A, LMX1B, LNP1, LNPEP, LNPB, LNPJ, LNPV, LNPX, LNPY, LNPZ, LNX1, LNX2, LONP1, LONP2, LONRF1, LONRF2, LONRF3, LORICRIN, LOX, LOXHD1, LOXL1, LOXL1-AS1, LOXL2, LOXL3, LOXL4, LPA, LPAR1, LPAR2, LPAR3, LPAR4, LPAR5, LPAR6, LPCAT1, LPCAT2, LPCAT3, LPCAT4, LPGAT1, LPIN1, LPIN2, LPIN3, LPL, LPO, LPP, LPXN, LRAT, LRATD1, LRATD2, LRBA, LRCH1, LRCH2, LRCH3, LRCH4, LRCOL1, LRFN1, LRFN2, LRFN3, LRFN4, LRFN5, LRG1, LRGUK, LRIF1, LRIG1, LRIG2, LRIG3, LRIT1, LRIT2, LRIT3, LRMDA, LRP1, LRP1-AS, LRP10, LRP11, LRP12, LRP1B, LRP2, LRP2BP, LRP3, LRP4, LRP4-AS1, LRP5, LRP5L, LRP6, LRP8, LRPAP1, LRPPRC, LRR1, LRRC1, LRRC10, LRRC10B, LRRC14, LRRC14B, LRRC15, LRRC17, LRRC18, LRRC19, LRRC2, LRRC20, LRRC23, LRRC24, LRRC25, LRRC26, LRRC27, LRRC28, LRRC3, LRRC30, LRRC31, LRRC32, LRRC34, LRRC36, LRRC37B, LRRC38, LRRC39, LRRC3B, LRRC3C, LRRC4, LRRC40, LRRC41, LRRC42, LRRC43, LRRC45, LRRC46, LRRC47, LRRC49, LRRC4B, LRRC4C, LRRC52, LRRC55, LRRC56, LRRC57, LRRC58, LRRC59, LRRC61, LRRC63, LRRC66, LRRC69, LRRC7, LRRC70, LRRC71, LRRC72, LRRC73, LRRC74A, LRRC74B, LRRC75A, LRRC75B, LRRC8A, LRRC8B, LRRC8C, LRRC8D, LRRC8E, LRRC9, LRRCC1, LRRD1, LRRFIP1, LRRFIP2, LRRIQ1, LRRIQ3, LRRIQ4, LRRK1, LRRK2, LRRN1, LRRN2, LRRN3, LRRN4, LRRN4CL, LRRTM1, LRRTM2, LRRTM3, LRRTM4, LRSAM1, LRTM1, LRTM2, LRTOMT, LRWD1, LSAMP, LSG1, LSM1, LSM10, LSM11, LSM12, LSM14A, LSM14B, LSM2, LSM3, LSM4, LSM5, LSM6, LSM7, LSM8, LSMEM1, LSMEM2, LSP1, LSR, LSS, LST1, LTA, LTA4H, LTB, LTB4R, LTB4R2, LTBP1, LTBP2, LTBP3, LTBP4, LTBR, LTC4S, LTF, LTK, LTN1, LTO1, LTV1, LUC7L, LUC7L2, LUC7L3, LUM, LURAP1, LURAP1L, LUZP1, LUZP2, LUZP4, LUZP6, LVRN, LXN, LY6D, LY6E, LY6E-DT, LY6G5B, LY6G5C, LY6G6C, LY6G6D, LY6G6E, LY6G6F, LY6H, LY6K, LY6S-AS1, LY75, LY75-CD302, LY86, LY9, LY96, LYAR, LYG1, LYG2, LYL1, LYN, LYNX1, LYPD1, LYPD2, LYPD3, LYPD4, LYPD5, LYPD6, LYPD6B, LYPD8, LYPLA1, LYPLA2, LYPLAL1, LYRM1, LYRM2, LYRM4, LYRM4-AS1, LYRM7, LYRM9, LYSET, LYSMD1, LYSMD2, LYSMD3, LYSMD4, LYST, LYVE1, LYZ, LYZL1, LYZL2, LYZL4, LYZL6, LZIC, LZTFL1, LZTR1, LZTS1, LZTS2, LZTS3, M1AP, M6PR, MAB21L1, MAB21L2, MAB21L3, MAB21L4, MACC1, MACF1, MACIR, MACO1, MACROD1, MACROD2, MACROH2A1, MACROH2A2, MAD1L1, MAD2L1, MAD2L1BP, MAD2L2, MADCAM1, MADD, MAEA, MAEL, MAF, MAF1, MAFA, MAFB, MAFF, MAFG, MAFK, MAG, MAGEA1, MAGEA10, MAGEA11, MAGEA2B, MAGEA4, MAGEA5P, MAGEA6, MAGEA8, MAGEA9, MAGEB1, MAGEB10, MAGEB16, MAGEB17, MAGEB18, MAGEB2, MAGEB3, MAGEB4, MAGEB5, MAGEB6, MAGEC1, MAGEC2, MAGEC3, MAGED1, MAGED2, MAGEE1, MAGEE2, MAGEF1, MAGEH1, MAGEL2, MAGI1, MAGI2, MAGI3, MAGIX, MAGOH, MAGOHB, MAGT1, MAIP1, MAJIN, MAK, MAK16, MAL, MAL2, MALRD1, MALSU1, MALT1, MAMDC2, MAMDC2-AS1, MAMDC4, MAML1, MAML2, MAML3, MAMLD1, MAMSTR, MAN1A1, MAN1A2, MAN1B1, MAN1C1, MAN2A1, MAN2A2, MAN2B1, MAN2B2, MAN2C1, MANBA, MANBAL, MANEA, MANEAL, MANF, MANSC1, MANSC4, MAOA, MAOB, MAP10, MAP1A, MAP1B, MAP1LC3A, MAP1LC3B, MAP1LC3B2, MAP1LC3C, MAP1S, MAP2, MAP2K1, MAP2K2, MAP2K3, MAP2K4, MAP2K5, MAP2K6, MAP2K7, MAP3K1, MAP3K10, MAP3K11, MAP3K12, MAP3K13, MAP3K14, MAP3K14-AS1, MAP3K15, MAP3K19, MAP3K2, MAP3K20, MAP3K21, MAP3K3, MAP3K4, MAP3K5, MAP3K6, MAP3K7, MAP3K7CL, MAP3K8, MAP3K9, MAP4, MAP4K1, MAP4K2, MAP4K3, MAP4K4, MAP4K5, MAP6, MAP6D1, MAP7, MAP7D1, MAP7D2, MAP7D3, MAP9, MAPDA, MAPK1, MAPK10, MAPK11, MAPK12, MAPK13, MAPK14, MAPK15, MAPK1IP1L, MAPK3, MAPK4, MAPK6, MAPK7, MAPK8, MAPK8IP1, MAPK8IP2, MAPK8IP3, MAPK9, MAPKAP1, MAPKAPK2, MAPKAPK3, MAPKAPK5, MAPKBP1, MAPRE1, MAPRE2, MAPRE3, MAPT, MARCHF1, MARCHF10, MARCHF11, MARCHF2, MARCHF3, MARCHF4, MARCHF5, MARCHF6, MARCHF7, MARCHF8, MARCHF9, MARCKS, MARCKSL1, MARCO, MARF1, MARK1, MARK2, MARK3, MARK4, MARS1, MARS2, MARVELD1, MARVELD2, MARVELD3, MAS1, MAS1L, MASP1, MASP2, MAST1, MAST2, MAST3,

MAST4, MASTL, MAT1A, MAT2A, MAT2B, MATCAP1, MATCAP2, MATK, MATN1, MATN1-AS1, MATN2, MATN3, MATN4, MATR3, MAU2, MAVS, MAX, MAZ, MB, MB21D2, MBD1, MBD2, MBD3, MBD3L1, MBD4, MBD5, MBD6, MBIP, MBL2, MBLAC1, MBLAC2, MBNL1, MBNL2, MBNL3, MBOAT1, MBOAT2, MBOAT4, MBOAT7, MBP, MBTD1, MBTPS1, MBTPS2, MC1R, MC2R, MC3R, MC4R, MC5R, MCAM, MCAT, MCC, MCCC1, MCCC2, MCCC1, MCEE, MCEMP1, MCF2, MCF2L, MCF2L2, MCFD2, MCHR1, MCHR2, MCIDAS, MCL1, MCM10, MCM2, MCM3, MCM3AP, MCM4, MCM5, MCM6, MCM7, MCM8, MCM9, MCMBP, MCMDC2, MCOLN1, MCOLN2, MCOLN3, MCPH1, MCPH1-AS1, MCRIP1, MCRIP2, MCRS1, MCTP1, MCTP2, MCTS1, MCU, MCUB, MCUR1, MDC1, MDC1-AS1, MDFI, MDFIC, MDGA1, MDGA2, MDH1, MDH1B, MDH2, MDK, MDM1, MDM2, MDM4, MDN1, MDP1, MDS2, ME1, ME2, ME3, MEA1, MEAF6, MEAK7, MECOM, MECP2, MECR, MED1, MED10, MED11, MED12, MED12L, MED13, MED13L, MED14, MED14OS, MED15, MED16, MED17, MED18, MED19, MED20, MED21, MED22, MED23, MED24, MED25, MED26, MED27, MED28, MED29, MED30, MED31, MED4, MED4-AS1, MED6, MED7, MED8, MED9, MEDAG, MEF2A, MEF2B, MEF2C, MEF2D, MEFV, MEGF10, MEGF11, MEGF6, MEGF8, MEGF9, MEI1, MEI4, MEIG1, MEIKIN, MEIOB, MEIOC, MEIOSIN, MEIS1, MEIS2, MEIS3, MELK, MELTF, MEMO1, MEN1, MEOX1, MEOX2, MEP1A, MEP1B, MEPCE, MEPE, MERTK, MESD, MESP1, MESP2, MEST, MET, METAP1, METAP1D, METAP2, METRN, METRNL, METTL1, METTL13, METTL14, METTL15, METTL16, METTL17, METTL18, METTL21A, METTL21C, METTL22, METTL23, METTL24, METTL25, METTL25B, METTL26, METTL27, METTL2A, METTL2B, METTL3, METTL4, METTL5, METTL6, METTL8, METTL9, MEX3A, MEX3B, MEX3C, MEX3D, MFAP1, MFAP2, MFAP3, MFAP3L, MFAP4, MFAP5, MFF, MFGE8, MFHAS1, MFN1, MFN2, MFNG, MFRP, MFSD1, MFSD10, MFSD11, MFSD12, MFSD13A, MFSD14A, MFSD14B, MFSD14CP, MFSD2A, MFSD2B, MFSD3, MFSD4A, MFSD4B, MFSD5, MFSD6, MFSD6L, MFSD8, MFSD9, MGA, MGAM, MGAM2, MGARP, MGAT1, MGAT2, MGAT3, MGAT4A, MGAT4B, MGAT4C, MGAT4D, MGAT5, MGAT5B, MGLL, MGME1, MGMT, MGP, MGRN1, MGST1, MGST2, MGST3, MHRT, MIA, MIA-RAB4B, MIA2, MIA3, MIB1, MIB2, MICA, MICAL1, MICAL2, MICAL3, MICALL1, MICALL2, MICB, MICOS10, MICOS10-NBL1, MICOS13, MICU1, MICU2, MICU3, MID1, MID1IP1, MID2, MIDEAS, MIDN, MIEF1, MIEF2, MIEN1, MIER1, MIER2, MIER3, MIF, MIF4GD, MIGA1, MIGA2, MIIP, MILR1, MINAR1, MINAR2, MINDY1, MINDY2, MINDY3, MINDY4, MINK1, MINPP1, MIOS, MIOX, MIP, MIPEP, MIPEPP3, MIPOL1, MIR1-1HG, MIR184, MIR1915HG, MIR205HG, MIR3667HG, MIR3936HG, MIR431, MIR497HG, MIR548AA1, MIR762HG, MIR9-1HG, MIS12, MIS18A, MIS18BP1, MISFA, MISP, MITD1, MITF, MIX23, MIXL1, MKI67, MKKS, MKLN1, MKNK1, MKNK2, MKRN1, MKRN2, MKRN2OS, MKRN3, MKS1, MKX, MLANA, MLC1, MLEC, MLF1, MLF2, MLH1, MLH3, MLIP, MLKL, MLLT1, MLLT10, MLLT11, MLLT3, MLLT6, MLN, MLNR, MLPH, MLST8, MLX, MLXIP, MLXIPL, MLYCD, MMAA, MMAB, MMACHC, MMADHC, MMD, MMD2, MME, MMEL1, MMGT1, MMP1, MMP10, MMP11, MMP12, MMP13, MMP14, MMP15, MMP16, MMP17, MMP19, MMP2, MMP20, MMP21, MMP23A, MMP24, MMP24OS, MMP25, MMP25-AS1, MMP26, MMP27, MMP28, MMP3, MMP7, MMP8, MMP9, MMRN1, MMRN2, MMS19, MMS22L, MMUT, MN1, MNAT1, MND1, MNDA, MNS1, MNT, MNX1, MOAP1, MOB1A, MOB1B, MOB2, MOB3A, MOB3B, MOB3C, MOB4, MOBP, MOCOS, MOCOS1, MOCOS2, MOCOS3, MOG, MOGAT1, MOGAT2, MOGAT3, MOGS, MOK, MON1A, MON1B, MON2, MORC1, MORC2, MORC3, MORC4, MORF4L1, MORF4L2, MORN1, MORN2, MORN3, MORN4, MORN5, MOS, MOSMO, MOSPD1, MOSPD2, MOSPD3, MOV10, MOV10L1, MOXD1, MPC1, MPC1L, MPC2, MPDU1, MPDZ, MPEG1, MPG, MPHOSPH10, MPHOSPH6, MPHOSPH8, MPHOSPH9, MPI, MPIG6B, MPL, MPLKIP, MPND, MPO, MPP1, MPP2, MPP3, MPP4, MPP7, MPPE1, MPPED1, MPPED2, MPRIP, MPST, MPV17, MPV17L, MPV17L2, MPZ, MPZL1, MPZL2, MPZL3, MR1, MRAP, MRAP2, MRAS, MRC2, MRE11, MREG, MRFAP1, MRFAP1L1, MRGBP, MRGPRD, MRGPRE, MRGPRF, MRGPRG, MRGPRG-AS1, MRGPRX1, MRGPRX2, MRGPRX3, MRGPRX4, MRI1, MRLN, MRM1, MRM2, MRM3, MRNIP, MRO, MROH2A, MROH2B, MROH5, MROH6, MROH7, MROH8, MROH9, MRPL1, MRPL10, MRPL11, MRPL12, MRPL13, MRPL14, MRPL15, MRPL16, MRPL17, MRPL18, MRPL19, MRPL2, MRPL20, MRPL21, MRPL22, MRPL23, MRPL24, MRPL27, MRPL28, MRPL3, MRPL30, MRPL32, MRPL33, MRPL34, MRPL35, MRPL36,

MRPL37, MRPL38, MRPL39, MRPL4, MRPL40, MRPL41, MRPL42, MRPL43, MRPL44, MRPL45, MRPL46, MRPL47, MRPL48, MRPL49, MRPL50, MRPL51, MRPL52, MRPL53, MRPL54, MRPL55, MRPL57, MRPL58, MRPL9, MRPS10, MRPS11, MRPS12, MRPS14, MRPS15, MRPS16, MRPS17, MRPS18A, MRPS18B, MRPS18C, MRPS2, MRPS21, MRPS22, MRPS23, MRPS24, MRPS25, MRPS26, MRPS27, MRPS28, MRPS30, MRPS31, MRPS33, MRPS34, MRPS35, MRPS5, MRPS6, MRPS7, MRPS9, MRRF, MRS2, MRTFA, MRTFB, MRTO4, MS4A1, MS4A10, MS4A12, MS4A13, MS4A14, MS4A15, MS4A18, MS4A2, MS4A3, MS4A4A, MS4A5, MS4A6A, MS4A6E, MS4A7, MS4A8, MSANTD1, MSANTD2, MSANTD3, MSANTD3-TMEFF1, MSANTD4, MSC, MSGN1, MSH2, MSH3, MSH4, MSH5, MSH5-SAPCD1, MSH6, MSI1, MSI2, MSL1, MSL2, MSL3, MSLN, MSMB, MSMO1, MSMP, MSN, MSR1, MSRA, MSRB1, MSRB2, MSRB3, MSS51, MST1, MST1L, MST1R, MSTN, MSTO1, MSTO2P, MSX1, MSX2, MT-ATP6, MT-ATP8, MT-CO1, MT-CO2, MT-CO3, MT-CYB, MT-ND1, MT-ND2, MT-ND3, MT-ND4, MT-ND4L, MT-ND5, MT-ND6, MT-RNR1, MT-RNR2, MT-TA, MT-TC, MT-TD, MT-TE, MT-TF, MT-TG, MT-TH, MT-TI, MT-TK, MT-TL1, MT-TL2, MT-TM, MT-TN, MT-TP, MT-TQ, MT-TR, MT-TS1, MT-TS2, MT-TT, MT-TV, MT-TW, MT-TY, MT1A, MT1B, MT1E, MT1F, MT1G, MT1H, MT1HL1, MT1IP, MT1M, MT1X, MT2A, MT3, MT4, MTA1, MTA2, MTA3, MTAP, MTARC1, MTARC2, MTBP, MTCH1, MTCH2, MTCL1, MTCL2, MTCL3, MTC1, MTDH, MTERF1, MTERF2, MTERF3, MTERF4, MTF1, MTF2, MTFMT, MTFP1, MTFR1, MTFR1L, MTFR2, MTG1, MTG2, MTHFD1, MTHFD1L, MTHFD2, MTHFD2L, MTHFR, MTHFS, MTHFSD, MTIF2, MTIF3, MTLN, MTM1, MTMR1, MTMR10, MTMR11, MTMR12, MTMR14, MTMR2, MTMR3, MTMR4, MTMR6, MTMR7, MTMR8, MTMR9, MTNAP1, MTNR1A, MTNR1B, MTO1, MTOR, MTOR-AS1, MTPAP, MTPN, MTR, MTRES1, MTREX, MTRF1, MTRF1L, MTRFR, MTRR, MTSS1, MTSS2, MTPP, MTURN, MTUS1, MTUS2, MTX1, MTX2, MTX3, MUC1, MUC13, MUC15, MUC16, MUC17, MUC19, MUC2, MUC21, MUC22, MUC3A, MUC5AC, MUC5B, MUC6, MUC7, MUCL1, MUCL3, MUL1, MUS81, MUSK, MUSTN1, MUTYH, MVB12A, MVB12B, MVD, MVK, MVP, MX1, MX2, MXD1, MXD3, MXD4, MXI1, MXRA5, MXRA7, MXRA8, MYADM, MYADM2, MYB, MYBBP1A, MYBL1, MYBL2, MYBPC1, MYBPC2, MYBPC3, MYBPH, MYBPHL, MYC, MYCBP, MYCBP2, MYCBP2-AS1, MYCBPAP, MYCL, MYCN, MYCNOS, MYCT1, MYD88, MYDGF, MYEF2, MYEOV, MYF5, MYF6, MYG1, MYH1, MYH10, MYH11, MYH13, MYH14, MYH15, MYH2, MYH3, MYH4, MYH6, MYH7, MYH7B, MYH8, MYH9, MYHAS, MYL1, MYL10, MYL11, MYL12A, MYL12B, MYL2, MYL3, MYL4, MYL5, MYL6, MYL6B, MYL7, MYL9, MYLIP, MYLK, MYLK-AS1, MYLK2, MYLK3, MYLK4, MYMK, MYNN, MYO10, MYO15A, MYO15B, MYO16, MYO18A, MYO18B, MYO19, MYO1A, MYO1B, MYO1C, MYO1D, MYO1E, MYO1F, MYO1G, MYO1H, MYO3A, MYO3B, MYO5A, MYO5B, MYO5C, MYO6, MYO7A, MYO7B, MYO9A, MYO9B, MYOC, MYOCD, MYOD1, MYOF, MYOG, MYOM1, MYOM2, MYOM3, MYORG, MYOT, MYOZ1, MYOZ2, MYOZ3, MYPN, MYPOP, MYRF, MYRFL, MYRIP, MYSM1, MYT1, MYT1L, MYZAP, MZB1, MZF1, MZF1-AS1, MZT1, MZT2A, MZT2B, N4BP1, N4BP2, N4BP2L1, N4BP2L2, N4BP3, N6AMT1, NAA10, NAA11, NAA15, NAA16, NAA20, NAA25, NAA30, NAA35, NAA38, NAA40, NAA50, NAA60, NAA80, NAAA, NAALAD2, NAALADL1, NAALADL2, NAB1, NAB2, NABP1, NABP2, NACA, NACA2, NACAD, NACC1, NACC2, NADK, NADK2, NADSYN1, NAE1, NAF1, NAGA, NAGK, NAGLU, NAGPA, NAGPA-AS1, NAGS, NAIF1, NALCN, NALF1, NALF2, NAMPT, NANOG, NANOGNB, NANOS1, NANOS2, NANOS3, NANP, NANS, NAP1L1, NAP1L2, NAP1L3, NAP1L4, NAP1L5, NAP1L6P, NAPA, NAPA-AS1, NAPB, NAPEPLD, NAPG, NAPRT, NAPSA, NARF, NARS1, NARS2, NASP, NAT1, NAT10, NAT14, NAT16, NAT2, NAT8, NAT8B, NAT8L, NAT9, NATD1, NAV1, NAV2, NAV2-AS2, NAV3, NAXD, NAXE, NBAS, NBDY, NBEA, NBEAL1, NBEAL2, NBL1, NBN, NBPF1, NBPF11, NBPF15, NBPF3, NBPF4, NBPF7P, NBR1, NCALD, NCAM1, NCAM1-AS1, NCAM2, NCAN, NCAPD2, NCAPD3, NCAPG, NCAPG2, NCAPH, NCAPH2, NCBP1, NCBP2, NCBP2AS2, NCBP3, NCCRP1, NCDN, NCEH1, NCF1, NCF2, NCF4, NCK1, NCK2, NCKAP1, NCKAP1L, NCKAP5, NCKAP5L, NCKIPSD, NCL, NCLN, NCMAP, NCOA1, NCOA2, NCOA3, NCOA4, NCOA5, NCOA6, NCOA7, NCOR1, NCOR2, NCR1, NCR2, NCR3, NCR3LG1, NCS1, NCSTN, NDC1, NDC80, NDE1, NDEL1, NDFIP1, NDFIP2, NDN, NDNF, NDOR1, NDP, NDRG1, NDRG2, NDRG3, NDRG4, NDST1, NDST2, NDST3, NDST4, NDUFA1, NDUFA10, NDUFA11, NDUFA12, NDUFA13, NDUFA2, NDUFA3, NDUFA4, NDUFA4L2, NDUFA5, NDUFA6, NDUFA7, NDUFA8, NDUFA9, NDUFAB1, NDUFAF1, NDUFAF2, NDUFAF3, NDUFAF4,

NDUFAF5, NDUFAF6, NDUFAF7, NDUFAF8, NDUFB1, NDUFB10, NDUFB11, NDUFB2, NDUFB2-AS1, NDUFB3, NDUFB4, NDUFB5, NDUFB6, NDUFB7, NDUFB8, NDUFB9, NDUFC1, NDUFC2, NDUFC2-KCTD14, NDUFS1, NDUFS2, NDUFS3, NDUFS4, NDUFS5, NDUFS6, NDUFS7, NDUFS8, NDUFV1, NDUFV2, NDUFV3, NEB, NEBL, NECAB1, NECAB2, NECAB3, NECAP1, NECAP2, NECTIN1, NECTIN2, NECTIN3, NECTIN4, NEDD1, NEDD4, NEDD4L, NEDD8, NEDD8-MDP1, NEDD9, NEFH, NEFL, NEFM, NEGR1, NEIL1, NEIL2, NEIL3, NEK1, NEK10, NEK11, NEK2, NEK3, NEK4, NEK5, NEK6, NEK7, NEK8, NEK9, NELFA, NELFB, NELFCD, NELFE, NELL1, NELL2, NEMF, NEMP1, NEMP2, NENF, NEO1, NEPRO, NES, NET1, NETO1, NETO2, NEU1, NEU2, NEU3, NEU4, NEURL1, NEURL1B, NEURL2, NEURL3, NEURL4, NEUROD1, NEUROD2, NEUROD4, NEUROD6, NEUROG1, NEUROG2, NEUROG3, NEXMIF, NEXN, NF1, NF2, NFAM1, NFASC, NFAT5, NFATC1, NFATC2, NFATC2IP, NFATC3, NFATC4, NFE2, NFE2L1, NFE2L2, NFE2L3, NFIA, NFIB, NFIC, NFIL3, NFIX, NFKB1, NFKB2, NFKBIA, NFKBIB, NFKBID, NFKBIE, NFKBIL1, NFKBIZ, NFRKB, NFS1, NFU1, NFX1, NFXL1, NFYA, NFYB, NFYC, NGB, NGDN, GEF, NGF, NGFR, NGLY1, NGRN, NHEJ1, NHERF1, NHERF2, NHERF4, NHLH1, NHLH2, NHLRC1, NHLRC2, NHLRC3, NHLRC4, NHP2, NHS, NHSL1, NHSL2, NHSL3, NIBAN1, NIBAN2, NIBAN3, NICN1, NICOL1, NID1, NID2, NIF3L1, NIFK, NIFK-AS1, NIM1K, NIN, NINJ1, NINJ2, NINL, NIP7, NIPA1, NIPA2, NIPAL1, NIPAL2, NIPAL3, NIPAL4, NIPBL, NIPSNAP1, NIPSNAP2, NIPSNAP3A, NIPSNAP3B, NISCH, NIT1, NIT2, NKAIN1, NKAIN2, NKAIN3, NKAIN4, NKAP, NKAPD1, NKAPL, NKD1, NKD2, NKG7, NKIRAS1, NKIRAS2, NKPD1, NKRF, NKTR, NKX1-1, NKX1-2, NKX2-1, NKX2-1-AS1, NKX2-2, NKX2-3, NKX2-4, NKX2-5, NKX2-6, NKX2-8, NKX3-1, NKX3-2, NKX6-1, NKX6-2, NKX6-3, NLE1, NLGN1, NLGN2, NLGN3, NLGN4X, NLGN4Y, NLK, NLN, NLRC3, NLRC4, NLRC5, NLRP1, NLRP10, NLRP11, NLRP12, NLRP13, NLRP14, NLRP2, NLRP3, NLRP4, NLRP5, NLRP6, NLRP7, NLRP8, NLRP9, NLRX1, NMB, NMBR, NMD3, NME1, NME1-NME2, NME2, NME3, NME4, NME5, NME6, NME7, NME8, NME9, NMI, NMNAT1, NMNAT2, NMNAT3, NMRAL1, NMRK1, NMRK2, NMS, NMT1, NMT2, NMU, NMUR1, NMUR2, NNAT, NNMT, NNT, NOA1, NOB1, NOBOX, NOC2L, NOC3L, NOC4L, NOCT, NOD1, NOD2, NODAL, NOG, NOL10, NOL11, NOL12, NOL3, NOL4, NOL4L, NOL6, NOL7, NOL8, NOL9, NOLC1, NOM1, NOMO1, NOMO2, NOMO3, NONO, NOP10, NOP14, NOP16, NOP2, NOP53, NOP56, NOP58, NOP9, NOPCHAP1, NOS1, NOS1AP, NOS2, NOS3, NOSIP, NOSTRIN, NOTCH1, NOTCH2, NOTCH2NLA, NOTCH3, NOTCH4, NOTO, NOTUM, NOVA1, NOVA2, NOX1, NOX3, NOX4, NOX5, NOXA1, NOXO1, NOXRED1, NPAP1, NPAS1, NPAS2, NPAS3, NPAS4, NPAT, NPB, NPBWR1, NPBWR2, NPC1, NPC1L1, NPC2, NPDC1, NPEPL1, NPEPPS, NPFF, NPFFR1, NPFFR2, NPHP1, NPHP3, NPHP3-ACAD11, NPHP4, NPHS1, NPHS2, NPIPA1, NPIPA2, NPIPA3, NPIPA5, NPIPA7, NPIPA8, NPIPB11, NPIPB15, NPIPB4, NPIPB5, NPIPB6, NPIPB8, NPIPB9, NPL, NPLOC4, NPM1, NPM2, NPM3, NPNT, NPPA, NPPA-AS1, NPPB, NPPC, NPR1, NPR2, NPR3, NPRL2, NPRL3, NPS, NPSR1, NPTN, NPTX1, NPTX2, NPTXR, NPVF, NPW, NPY, NPY1R, NPY2R, NPY4R, NPY5R, NQO1, NQO2, NR0B1, NR0B2, NR1D1, NR1D2, NR1H2, NR1H3, NR1H4, NR1I2, NR1I3, NR2C1, NR2C2, NR2C2AP, NR2E1, NR2E3, NR2F1, NR2F2, NR2F6, NR3C1, NR3C2, NR4A1, NR4A2, NR4A3, NR5A1, NR5A2, NR6A1, NRAP, NRARP, NRAS, NRBF2, NRBP1, NRBP2, NRCAM, NRDC, NRDE2, NREP, NRF1, NRG1, NRG2, NRG3, NRG3-AS1, NRG4, NRGN, NRIP1, NRIP2, NRIP3, NRK, NRL, NRM, NRN1, NRN1L, NRP1, NRP2, NRROS, NRSN1, NRSN2, NRTN, NRXN1, NRXN2, NRXN3, NSA2, NSD1, NSD2, NSD3, NSDHL, NSF, NSFL1C, NSFP1, NSG1, NSG2, NSL1, NSMAF, NSMCE1, NSMCE2, NSMCE3, NSMCE4A, NSMF, NSRP1, NSUN2, NSUN3, NSUN4, NSUN5, NSUN5P2, NSUN6, NSUN7, NT5C, NT5C1A, NT5C1B, NT5C1B-RDH14, NT5C2, NT5C3A, NT5C3B, NT5DC1, NT5DC2, NT5DC3, NT5E, NT5M, NTAN1, NTAQ1, NTF3, NTF4, NTHL1, NTM, NTMT1, NTMT2, NTN1, NTN3, NTN4, NTN5, NTNG1, NTNG2, NTPCR, NTRK1, NTRK2, NTRK3, NTS, NTSR1, NTSR2, NUAK1, NUAK2, NUB1, NUBP1, NUBP2, NUBPL, NUCB1, NUCB1-AS1, NUCB2, NUCKS1, NUDC, NUDCD1, NUDCD2, NUDCD3, NUDT1, NUDT10, NUDT11, NUDT12, NUDT13, NUDT14, NUDT15, NUDT16, NUDT16L1, NUDT17, NUDT18, NUDT19, NUDT2, NUDT21, NUDT22, NUDT3, NUDT4, NUDT5, NUDT6, NUDT7, NUDT8, NUDT9, NUF2, NUFIP1, NUFIP2, NUGGC, NUMA1, NUMB, NUMBL, NUP107, NUP133, NUP153, NUP155, NUP160, NUP188, NUP205, NUP210, NUP210L, NUP214, NUP35, NUP37, NUP42, NUP43, NUP50, NUP54, NUP58, NUP62, NUP62CL, NUP85, NUP88, NUP93, NUP98, NUPR1, NUPR2, NUS1, NUSAP1, NUTF2, NUTM1, NUTM2A, NUTM2B, NUTM2F, NVL, NWD1, NWD2, NXF1,

NXF2, NXF2B, NXF3, NXF5, NXN, NXNL1, NXNL2, NXPE1, NXPE2, NXPE3, NXPE4, NXPH1, NXPH2, NXPH3, NXPH4, NXT1, NXT2, NYAP1, NYAP2, NYNRIN, NYX, OAF, OARD1, OAS1, OAS2, OAS3, OASL, OAT, OAZ1, OAZ2, OAZ3, OBI1, OBI1-AS1, OBP2A, OBP2B, OBSCN, OBSL1, OC90, OCA2, OCEL1, OCIAD1, OCIAD2, OCLN, OCM, OCM2, OCRL, OCSTAMP, ODAD1, ODAD2, ODAD3, ODAD4, ODAM, ODAPH, ODC1, ODF1, ODF2, ODF2L, ODF4, ODR4, OFD1, OGA, OGDH, OGDHL, OGFOD1, OGFOD2, OGFOD3, OGFR, OGFRL1, OGG1, OGN, OGT, OIP5, OIT3, OLA1, OLAH, OLFM1, OLFM2, OLFM3, OLFM4, OLFML1, OLFML2A, OLFML2B, OLFML3, OLIG1, OLIG2, OLIG3, OLR1, OMA1, OMD, OMG, OMP, ONECUT1, ONECUT2, ONECUT3, OOEP, OOSP2, OPA1, OPA1-AS1, OPA3, OPALIN, OPCML, OPHN1, OPLAH, OPN1LW, OPN1MW, OPN1MW2, OPN1SW, OPN3, OPN4, OPN5, OPRD1, OPRK1, OPRL1, OPRM1, OPRPN, OPTC, OPTN, OR10A2, OR10A3, OR10A4, OR10A5, OR10A6, OR10A7, OR10AD1, OR10AG1, OR10C1, OR10G2, OR10G3, OR10G4, OR10G7, OR10G8, OR10G9, OR10H1, OR10H2, OR10H3, OR10H4, OR10H5, OR10J1, OR10J3, OR10J5, OR10K1, OR10K2, OR10P1, OR10Q1, OR10R2, OR10S1, OR10T2, OR10V1, OR10W1, OR10X1, OR10Z1, OR11A1, OR11G2, OR11H12, OR11H2, OR11H4, OR11H6, OR11L1, OR12D2, OR12D3, OR13A1, OR13C2, OR13C3, OR13C4, OR13C5, OR13C8, OR13C9, OR13D1, OR13F1, OR13G1, OR13H1, OR13J1, OR14A16, OR14C36, OR14I1, OR14J1, OR1A1, OR1A2, OR1B1, OR1C1, OR1D2, OR1D4, OR1D5, OR1E1, OR1E2, OR1F1, OR1G1, OR1I1, OR1J1, OR1J2, OR1J4, OR1K1, OR1L1, OR1L3, OR1L4, OR1L6, OR1L8, OR1M1, OR1N1, OR1N2, OR1Q1, OR1S1, OR1S2, OR2A12, OR2A14, OR2A2, OR2A25, OR2A42, OR2A5, OR2AE1, OR2AG1, OR2AG2, OR2AK2, OR2AP1, OR2AT4, OR2B11, OR2B2, OR2B3, OR2B6, OR2C1, OR2C3, OR2D2, OR2D3, OR2F1, OR2F2, OR2G2, OR2G3, OR2G6, OR2H1, OR2H2, OR2J2, OR2J3, OR2K2, OR2L13, OR2L2, OR2L3, OR2L5, OR2L8, OR2M2, OR2M3, OR2M4, OR2M5, OR2M7, OR2S2, OR2T1, OR2T10, OR2T11, OR2T12, OR2T2, OR2T27, OR2T3, OR2T33, OR2T34, OR2T35, OR2T4, OR2T6, OR2T8, OR2V1, OR2V2, OR2W1, OR2W3, OR2W5P, OR2Y1, OR2Z1, OR3A1, OR4A15, OR4A16, OR4A47, OR4A5, OR4B1, OR4C11, OR4C12, OR4C13, OR4C15, OR4C16, OR4C3, OR4C46, OR4C6, OR4D1, OR4D10, OR4D11, OR4D2, OR4D5, OR4D6, OR4D9, OR4E1, OR4E2, OR4F15, OR4F3, OR4F6, OR4K1, OR4K13, OR4K14, OR4K15, OR4K17, OR4K2, OR4K5, OR4L1, OR4M1, OR4M2, OR4N2, OR4N4, OR4N5, OR4P4, OR4Q3, OR4S1, OR4S2, OR4X1, OR4X2, OR51A2, OR51A4, OR51A7, OR51B2, OR51B4, OR51B6, OR51D1, OR51E1, OR51E2, OR51F1, OR51F2, OR51G1, OR51G2, OR51I1, OR51I2, OR51L1, OR51M1, OR51Q1, OR51S1, OR51T1, OR51V1, OR52A1, OR52A5, OR52B2, OR52B4, OR52B6, OR52D1, OR52E2, OR52E4, OR52E6, OR52E8, OR52H1, OR52I1, OR52I2, OR52J3, OR52K1, OR52K2, OR52L1, OR52M1, OR52N1, OR52N2, OR52N4, OR52N5, OR52R1, OR52W1, OR56A1, OR56A3, OR56A4, OR56A5, OR56B1, OR56B4, OR5A1, OR5A2, OR5AC2, OR5AK2, OR5AN1, OR5AP2, OR5AR1, OR5AS1, OR5AU1, OR5B12, OR5B17, OR5B2, OR5B21, OR5B3, OR5C1, OR5D13, OR5D14, OR5D16, OR5D18, OR5F1, OR5H1, OR5H14, OR5H15, OR5H2, OR5H6, OR5I1, OR5J2, OR5K1, OR5K2, OR5K3, OR5K4, OR5L1, OR5L2, OR5M1, OR5M10, OR5M11, OR5M3, OR5M8, OR5M9, OR5P2, OR5P3, OR5T1, OR5T2, OR5T3, OR5V1, OR5W2, OR6A2, OR6B1, OR6B2, OR6B3, OR6C1, OR6C2, OR6C3, OR6C4, OR6C6, OR6C65, OR6C68, OR6C70, OR6C74, OR6C75, OR6C76, OR6F1, OR6K2, OR6K3, OR6K6, OR6M1, OR6N1, OR6N2, OR6P1, OR6Q1, OR6S1, OR6T1, OR6V1, OR6X1, OR6Y1, OR7A10, OR7A17, OR7A5, OR7C1, OR7C2, OR7D2, OR7D4, OR7E24, OR7G1, OR7G2, OR7G3, OR8A1, OR8B12, OR8B2, OR8B3, OR8B4, OR8B8, OR8D1, OR8D2, OR8D4, OR8G2P, OR8G5, OR8H1, OR8H2, OR8H3, OR8I2, OR8J1, OR8J3, OR8K1, OR8K3, OR8K5, OR8S1, OR8U1, OR8U3, OR9A2, OR9A4, OR9G1, OR9G4, OR9I1, OR9K2, OR9Q1, OR9Q2, ORAI1, ORAI2, ORAI3, ORC1, ORC2, ORC3, ORC4, ORC5, ORC6, ORM1, ORM2, ORMDL1, ORMDL2, ORMDL3, OS9, OSBP, OSBP2, OSBPL10, OSBPL11, OSBPL1A, OSBPL2, OSBPL3, OSBPL5, OSBPL6, OSBPL7, OSBPL8, OSBPL9, OSCAR, OSCP1, OSER1, OSGEP, OSGEPL1, OSGIN1, OSGIN2, OSM, OSMR, OSR1, OSR2, OST4, OSTC, OSTF1, OSTM1, OSTN, OSTN-AS1, OTC, OTOA, OTOF, OTOG, OTOGL, OTOL1, OTOP1, OTOP2, OTOP3, OTOR, OTOS, OTP, OTUB1, OTUB2, OTUD1, OTUD3, OTUD4, OTUD5, OTUD6A, OTUD6B, OTUD7A, OTUD7B, OTULIN, OTULINL, OTX1, OTX2, OVCA2, OVCH1, OVCH1-AS1, OVCH2, OVGP1, OVOL1, OVOL2, OVOL3, OXA1L, OXCT1, OXCT1-AS1, OXER1, OXGR1, OXLD1, OXNAD1, OXR1, OXSM, OXSR1, OXT, OXTR, P2RX1, P2RX2, P2RX3, P2RX4, P2RX5,





PRAMEF1, PRAMEF10, PRAMEF11, PRAMEF12, PRAMEF13, PRAMEF14, PRAMEF15, PRAMEF17, PRAMEF2, PRAMEF25, PRAMEF33, PRAMEF4, PRAMEF7, PRAP1, PRB1, PRB2, PRB3, PRB4, PRC1, PRC1-AS1, PRCC, PRCD, PRCP, PRDM1, PRDM10, PRDM11, PRDM12, PRDM13, PRDM14, PRDM15, PRDM16, PRDM2, PRDM4, PRDM5, PRDM6, PRDM7, PRDM8, PRDM9, PRDX1, PRDX2, PRDX3, PRDX4, PRDX5, PRDX6, PREB, PRELID1, PRELID2, PRELID3A, PRELID3B, PRELP, PREP, PREPL, PREX1, PREX2, PRF1, PRG2, PRG3, PRG4, PRH1, PRH2, PRICKLE1, PRICKLE2, PRICKLE2-AS1, PRICKLE3, PRICKLE4, PRIM1, PRIM2, PRIMA1, PRIMPOL, PRKAA1, PRKAA2, PRKAB1, PRKAB2, PRKACA, PRKACB, PRKACG, PRKAG1, PRKAG2, PRKAG2-AS1, PRKAG3, PRKAR1A, PRKAR1B, PRKAR2A, PRKAR2B, PRKCA, PRKCB, PRKCD, PRKCE, PRKCG, PRKCH, PRKCI, PRKCQ, PRKCSH, PRKCZ, PRKD1, PRKD2, PRKD3, PRKDC, PRKG1, PRKG2, PRKN, PRKRA, PRKRIP1, PRKX, PRL, PRLH, PRLHR, PRLR, PRM1, PRM2, PRM3, PRMT1, PRMT2, PRMT3, PRMT5, PRMT6, PRMT7, PRMT8, PRMT9, PRND, PRNP, PRNT, PROB1, PROC, PROCA1, PROCR, PRODH, PRODH2, PROK1, PROK2, PROKR1, PROKR2, PROM1, PROM2, PROP1, PRORP, PRORY, PROS1, PROSER1, PROSER2, PROSER2-AS1, PROSER3, PROX1, PROX2, PROZ, PRP4K, PRPF18, PRPF19, PRPF3, PRPF31, PRPF38A, PRPF38B, PRPF39, PRPF4, PRPF40A, PRPF40B, PRPF6, PRPF8, PRPH, PRPH2, PRPS1, PRPS1L1, PRPS2, PRPSAP1, PRPSAP2, PRR11, PRR12, PRR13, PRR14, PRR14L, PRR15, PRR15L, PRR16, PRR18, PRR19, PRR20A, PRR20C, PRR22, PRR23A, PRR23B, PRR23C, PRR23D1, PRR23D2, PRR23E, PRR25, PRR27, PRR29, PRR3, PRR30, PRR32, PRR34, PRR34-AS1, PRR35, PRR36, PRR4, PRR5, PRR5-ARHGAP8, PRR5L, PRR7, PRR9, PRRC1, PRRC2A, PRRC2B, PRRC2C, PRRG1, PRRG2, PRRG3, PRRG4, PRRT1, PRRT2, PRRT3, PRRT3-AS1, PRRT4, PRRX1, PRRX2, PRSS1, PRSS12, PRSS16, PRSS21, PRSS22, PRSS23, PRSS27, PRSS3, PRSS33, PRSS35, PRSS36, PRSS37, PRSS38, PRSS41, PRSS42P, PRSS45P, PRSS46P, PRSS48, PRSS50, PRSS53, PRSS54, PRSS55, PRSS56, PRSS57, PRSS58, PRSS8, PRTFDC1, PRTG, PRTN3, PRUNE1, PRUNE2, PRX, PRXL2A, PRXL2B, PRXL2C, PSAP, PSAPL1, PSAT1, PSCA, PSD, PSD2, PSD3, PSD4, PSEN1, PSEN2, PSENEN, PSG1, PSG10P, PSG11, PSG2, PSG3, PSG4, PSG5, PSG6, PSG7, PSG8, PSG9, PSIP1, PSKH1, PSKH2, PSMA1, PSMA2, PSMA3, PSMA4, PSMA5, PSMA6, PSMA7, PSMA8, PSMB1, PSMB10, PSMB11, PSMB2, PSMB3, PSMB4, PSMB5, PSMB6, PSMB7, PSMB8, PSMB9, PSMC1, PSMC2, PSMC3, PSMC3IP, PSMC4, PSMC5, PSMC6, PSMD1, PSMD10, PSMD11, PSMD12, PSMD13, PSMD14, PSMD2, PSMD3, PSMD4, PSMD5, PSMD6, PSMD7, PSMD8, PSMD9, PSME1, PSME2, PSME3, PSME3IP1, PSME4, PSMF1, PSMG1, PSMG2, PSMG3, PSMG4, PSORS1C1, PSORS1C2, PSPC1, PSPH, PSPN, PSRC1, PSTK, PSTPIP1, PSTPIP2, PTAFR, PTAR1, PTBP1, PTBP2, PTBP3, PTC1, PTC2, PTC3, PTCH1, PTCH2, PTCHD1, PTCHD1-AS, PTCHD3, PTCHD4, PTCRA, PTDSS1, PTDSS2, PTEN, PTER, PTF1A, PTGDR, PTGDR2, PTGDS, PTGER1, PTGER2, PTGER3, PTGER4, PTGES, PTGES2, PTGES3, PTGES3L, PTGES3L-AARSD1, PTGFR, PTGFRN, PTGIR, PTGIS, PTGR1, PTGR2, PTGR3, PTGS1, PTGS2, PTH, PTH1R, PTH2, PTH2R, PTHLH, PTK2, PTK2B, PTK6, PTK7, PTMA, PTMS, PTN, PTOV1, PTOV1-AS2, PTP4A1, PTP4A2, PTP4A3, PTPA, PTPDC1, PTPMT1, PTPN1, PTPN11, PTPN12, PTPN13, PTPN14, PTPN18, PTPN2, PTPN20, PTPN21, PTPN22, PTPN23, PTPN3, PTPN4, PTPN5, PTPN6, PTPN7, PTPN9, PTPRA, PTPRB, PTPRC, PTPRCAP, PTPRD, PTPRE, PTPRF, PTPRG, PTPRH, PTPRJ, PTPRK, PTPRM, PTPRN, PTPRN2, PTPRO, PTPRQ, PTPRR, PTPRS, PTPRT, PTPRU, PTPRZ1, PTRH1, PTRH2, PTRHD1, PTS, PTTG1, PTTG1IP, PTTG2, PTX3, PTX4, PUDP, PUF60, PUM1, PUM2, PUM3, PURA, PURB, PURG, PUS1, PUS10, PUS3, PUS7, PUS7L, PUSL1, PVALB, PVR, PVRIG, PWP1, PWP2, PWWP2A, PWWP2B, PWWP3A, PWWP3B, PXDC1, PXDN, PXDNL, P XK, PXMP2, PXMP4, PXN, PXN-AS1, PXT1, PXYLP1, PYCARD, PYCARD-AS1, PYCR1, PYCR2, PYCR3, PYDC1, PYDC2, PYGB, PYGL, PYGM, PYGO1, PYGO2, PYHIN1, PYM1, PYROXD1, PYROXD2, PYURF, PYY, PZP, QARS1, QDPR, QKI, QNG1, QPCT, QPCTL, QPRT, QRF, QRFPR, QRIC1, QRIC2, QRSL1, QSER1, QSOX1, QSOX2, QTRT1, QTRT2, R3HCC1, R3HCC1L, R3HDM1, R3HDM2, R3HDM4, R3HDM4L, RAB10, RAB11A, RAB11B, RAB11FIP1, RAB11FIP2, RAB11FIP3, RAB11FIP4, RAB11FIP5, RAB12, RAB13, RAB14, RAB15, RAB17, RAB18, RAB19, RAB1A, RAB1B, RAB20, RAB21, RAB22A, RAB23, RAB24, RAB25, RAB26, RAB27A, RAB27B, RAB28, RAB29, RAB2A, RAB2B, RAB30, RAB31, RAB32, RAB33A, RAB33B, RAB34, RAB35, RAB36, RAB37, RAB38, RAB39A, RAB39B, RAB3A, RAB3B, RAB3C, RAB3D, RAB3GAP1, RAB3GAP2, RAB3IL1, RAB3IP, RAB40A, RAB40AL, RAB40B, RAB40C, RAB41, RAB42, RAB43, RAB44, RAB4A, RAB4B, RAB4B-EGLN2, RAB5A, RAB5B, RAB5C,

RAB5IF, RAB6A, RAB6B, RAB6C, RAB6C-AS1, RAB6D, RAB7A, RAB8A, RAB8B, RAB9A, RAB9B, RABAC1, RABEP1, RABEP2, RABEPK, RABGAP1, RABGAP1L, RABGEF1, RABGGTA, RABGGTB, RABIF, RABL2A, RABL2B, RABL3, RABL6, RAC1, RAC2, RAC3, RACGAP1, RACK1, RAD1, RAD17, RAD18, RAD21, RAD21L1, RAD23A, RAD23B, RAD50, RAD51, RAD51AP1, RAD51AP2, RAD51B, RAD51C, RAD51D, RAD52, RAD54B, RAD54L, RAD54L2, RAD9A, RAD9B, RADIL, RADX, RAE1, RAET1E, RAET1E-AS1, RAET1G, RAET1L, RAF1, RAG1, RAG2, RAI1, RAI14, RAI2, RALA, RALB, RALBP1, RALGAPA1, RALGAPA2, RALGAPB, RALGDS, RALGPS1, RALGPS2, RALY, RALYL, RAMAC, RAMP1, RAMP2, RAMP3, RAN, RANBP1, RANBP10, RANBP17, RANBP2, RANBP3, RANBP3L, RANBP6, RANBP9, RANGAP1, RANGRF, RAP1A, RAP1B, RAP1GAP, RAP1GAP2, RAP1GDS1, RAP2A, RAP2B, RAP2C, RAPGEF1, RAPGEF2, RAPGEF3, RAPGEF4, RAPGEF5, RAPGEF6, RAPGEFL1, RAPH1, RAPSN, RARA, RARA-AS1, RARB, RARG, RARRES1, RARRES2, RARS1, RARS2, RASA1, RASA2, RASA3, RASAL1, RASAL2, RASAL3, RASD1, RASD2, RASEF, RASGEF1A, RASGEF1B, RASGEF1C, RASGRF1, RASGRF2, RASGRF2-AS1, RASGRP1, RASGRP2, RASGRP3, RASGRP4, RASIP1, RASL10A, RASL10B, RASL11A, RASL11B, RASL12, RASSF1, RASSF1-AS1, RASSF10, RASSF2, RASSF3, RASSF4, RASSF5, RASSF6, RASSF7, RASSF8, RASSF9, RAVER1, RAVER2, RAX, RAX2, RB1, RB1CC1, RBAK, RBAK-RBAKDN, RBAKDN, RBBP4, RBBP5, RBBP6, RBBP7, RBBP8, RBBP8NL, RBBP9, RBCK1, RBFA, RBFADN, RBFOX1, RBFOX2, RBFOX3, RBIS, RBKS, RBL1, RBL2, RBM10, RBM11, RBM12, RBM12B, RBM14, RBM14-RBM4, RBM15, RBM15B, RBM17, RBM18, RBM19, RBM20, RBM22, RBM23, RBM24, RBM25, RBM26, RBM27, RBM28, RBM3, RBM33, RBM34, RBM38, RBM39, RBM4, RBM41, RBM42, RBM43, RBM44, RBM45, RBM46, RBM47, RBM48, RBM4B, RBM5, RBM6, RBM7, RBM8A, RBMS1, RBMS2, RBMS3, RBMX, RBMX2, RBMXL1, RBMXL2, RBMXL3, RBMY1A1, RBMY1D, RBP1, RBP2, RBP3, RBP4, RBP5, RBP7, RBPJ, RBPJL, RBPMS, RBPMS2, RBSN, RBX1, RC3H1, RC3H2, RCAN1, RCAN2, RCAN3, RCBTB1, RCBTB2, RCC1, RCC1L, RCC2, RCCD1, RCE1, RCHY1, RCL1, RCN1, RCN2, RCN3, RCOR1, RCOR2, RCOR3, RCSD1, RCVRN, RD3, RD3L, RDH10, RDH11, RDH12, RDH13, RDH14, RDH16, RDH5, RDH8, RDM1, RDX, REC114, REC8, RECK, RECQL, RECQL4, RECQL5, REDIC1, REEP1, REEP2, REEP3, REEP4, REEP5, REEP6, REG1A, REG1B, REG3A, REG3G, REG4, REL, RELA, RELB, RELCH, RELL1, RELL2, RELN, RELT, REM1, REM2, REN, RENBP, REP15, REPIN1, REPS1, REPS2, RER1, RERE, RERG, RERGL, RESF1, RESP18, REST, RET, RETN, RETNLB, RETREG1, RETREG2, RETREG3, RETSAT, REV1, REV3L, REX1BD, REXO1, REXO2, REXO4, RFC1, RFC2, RFC3, RFC4, RFC5, RFESD, RFFL, RFK, RFLNA, RFLNB, RFNG, RFPL1, RFPL1S, RFPL2, RFPL3, RFPL3S, RFPL4A, RFPL4AL1, RFPL4B, RFT1, RFTN1, RFTN2, RFWD3, RFX1, RFX2, RFX3, RFX4, RFX5, RFX6, RFX7, RFX8, RFXANK, RFXAP, RGCC, RGL1, RGL2, RGL3, RGL4, RGMA, RGMB, RGN, RGP1, RGPD2, RGR, RGS1, RGS10, RGS11, RGS12, RGS13, RGS14, RGS16, RGS17, RGS18, RGS19, RGS2, RGS20, RGS21, RGS22, RGS3, RGS4, RGS5, RGS6, RGS7, RGS7BP, RGS8, RGS9, RGS9BP, RGSL1, RHAG, RHBDD1, RHBDD2, RHBDD3, RHBDF1, RHBDF2, RHBDL1, RHBDL2, RHBDL3, RHBG, RHCE, RHCG, RHD, RHEB, RHEBL1, RHEX, RHNO1, RHO, RHOA, RHOB, RHOBTB1, RHOBTB2, RHOBTB3, RHOC, RHOD, RHOF, RHOG, RHOH, RHOJ, RHOQ, RHOT1, RHOT2, RHOU, RHOV, RHOXF1, RHOXF2, RHPN1, RHPN2, RIBC1, RIBC2, RIC1, RIC3, RIC8A, RIC8B, RICTOR, RIDA, RIF1, RIGI, RIIAD1, RILP, RILPL1, RILPL2, RIMBP2, RIMBP3B, RIMKLA, RIMKLB, RIMOC1, RIMS1, RIMS2, RIMS3, RIMS4, RIN1, RIN2, RIN3, RING1, RINL, RINT1, RIOK1, RIOK2, RIOK3, RIOX1, RIOX2, RIPK1, RIPK2, RIPK3, RIPK4, RIPOR1, RIPOR2, RIPOR3, RIPPLY1, RIPPLY2, RIPPLY3, RIT1, RIT2, RITA1, RLBP1, RLF, RLG1, RLIM, RLN1, RLN2, RLN3, RMC1, RMDN1, RMDN2, RMDN2-AS1, RMDN3, RMI1, RMI2, RMND1, RMND5A, RMND5B, RMRP, RNASE1, RNASE10, RNASE11, RNASE12, RNASE13, RNASE2, RNASE3, RNASE4, RNASE6, RNASE7, RNASE8, RNASE9, RNASEH1, RNASEH2A, RNASEH2B, RNASEH2C, RNASEK, RNASEK-C17orf49, RNASEL, RNASET2, RND1, RND2, RND3, RNF10, RNF103, RNF103-CHMP3, RNF11, RNF111, RNF112, RNF113A, RNF113B, RNF114, RNF115, RNF121, RNF122, RNF123, RNF125, RNF126, RNF128, RNF13, RNF130, RNF133, RNF135, RNF138, RNF139, RNF14, RNF141, RNF144A, RNF144B, RNF145, RNF146, RNF148, RNF149, RNF150, RNF151, RNF152, RNF157, RNF166, RNF167, RNF168, RNF169, RNF17, RNF170, RNF175, RNF180, RNF181, RNF182, RNF183, RNF185, RNF186, RNF187, RNF19A, RNF19B, RNF2, RNF20, RNF207, RNF208, RNF212, RNF212B, RNF213, RNF214, RNF215, RNF216, RNF217, RNF217-AS1, RNF220,

RNF222, RNF223, RNF224, RNF225, RNF24, RNF25, RNF26, RNF31, RNF32, RNF34, RNF38, RNF39, RNF4, RNF40, RNF41, RNF43, RNF44, RNF5, RNF5P1, RNF6, RNF7, RNF8, RNFT1, RNFT2, RINGTT, RNH1, RNLS, RNMT, RNPC3, RNPEP, RNPEPL1, RNPS1, RO60, ROBO1, ROBO2, ROBO3, ROBO4, ROCK1, ROCK2, ROGDI, ROM1, ROMO1, ROPN1, ROPN1B, ROPN1L, ROR1, ROR2, RORA, RORB, RORC, ROS1, RP1, RP1L1, RP2, RP9, RPA1, RPA2, RPA3, RPA4, RPAIN, RPAP1, RPAP2, RPAP3, RPE, RPE65, RPEL1, RPF1, RPF2, RPGR, RPGRIP1, RPGRIP1L, RPH3A, RPH3AL, RPIA, RPL10, RPL10A, RPL10L, RPL11, RPL12, RPL13, RPL13A, RPL14, RPL15, RPL17, RPL17-C18orf32, RPL18, RPL18A, RPL19, RPL21, RPL22, RPL22L1, RPL23, RPL23A, RPL24, RPL26, RPL26L1, RPL27, RPL27A, RPL28, RPL29, RPL3, RPL30, RPL31, RPL32, RPL34, RPL35, RPL35A, RPL36, RPL36A, RPL36A-HNRNPH2, RPL36AL, RPL37, RPL37A, RPL38, RPL39, RPL39L, RPL3L, RPL4, RPL41, RPL5, RPL6, RPL7, RPL7A, RPL7L1, RPL8, RPL9, RPLP0, RPLP1, RPLP2, RPN1, RPN2, RPP14, RPP21, RPP25, RPP25L, RPP30, RPP38, RPP38-DT, RPP40, RPRD1A, RPRD1B, RPRD2, RPRM, RPRML, RPS10, RPS10-NUDT3, RPS11, RPS12, RPS13, RPS14, RPS15, RPS15A, RPS16, RPS18, RPS19, RPS19BP1, RPS2, RPS20, RPS21, RPS23, RPS24, RPS25, RPS26, RPS27, RPS27A, RPS27L, RPS28, RPS29, RPS3, RPS3A, RPS4X, RPS4Y1, RPS4Y2, RPS5, RPS6, RPS6KA1, RPS6KA2, RPS6KA3, RPS6KA4, RPS6KA5, RPS6KA6, RPS6KB1, RPS6KB2, RPS6KC1, RPS6KL1, RPS7, RPS8, RPS9, RPSA, RPTN, RPTOR, RPU5D1, RPU5D2, RPU5D3, RPU5D4, RRAD, RRAGA, RRAGB, RRAGC, RRAGD, RRAS, RRAS2, RRB1, RREB1, RRH, RRM1, RRM2, RRM2B, RRN3, RRP1, RRP12, RRP15, RRP1B, RRP36, RRP7A, RRP8, RRP9, RRS1, RS1, RSAD1, RSAD2, RSBN1, RSBN1L, RSC1A1, RSF1, RSL1D1, RSL24D1, RSPH1, RSPH10B, RSPH10B2, RSPH14, RSPH3, RSPH4A, RSPH6A, RSPH9, RSPO1, RSPO2, RSPO3, RSPO4, RSPRY1, RSRC1, RSRC2, RSRP1, RSU1, RTBDN, RTCA, RTCB, RTEL1, RTEL1-TNFRSF6B, RTF1, RTF2, RTKN, RTKN2, RTL1, RTL10, RTL3, RTL4, RTL5, RTL6, RTL8A, RTL8B, RTL8C, RTL9, RTN1, RTN2, RTN3, RTN4, RTN4IP1, RTN4R, RTN4RL1, RTN4RL2, RTP1, RTP2, RTP3, RTP4, RTP5, RTRAF, RTTN, RUBCN, RUBCNL, RUFY1, RUFY2, RUFY3, RUFY4, RUNDC1, RUNDC3A, RUNDC3B, RUNX1, RUNX1T1, RUNX2, RUNX3, RUSC1, RUSC2, RUSF1, RUVBL1, RUVBL2, RWDD1, RWDD2A, RWDD2B, RWDD3, RWDD4, RXFP1, RXFP2, RXFP3, RXFP4, RXRA, RXRB, RXRG, RXYLT1, RXYLT1-AS1, RYBP, RYK, RYR1, RYR2, RYR3, S100A1, S100A10, S100A11, S100A12, S100A13, S100A14, S100A16, S100A2, S100A3, S100A4, S100A5, S100A6, S100A7, S100A7A, S100A7L2, S100A8, S100A9, S100B, S100G, S100P, S100PBP, S100Z, S1PR1, S1PR2, S1PR3, S1PR4, S1PR5, SAA1, SAA2, SAA2-SAA4, SAA4, SAAL1, SAC3D1, SACM1L, SACS, SAE1, SAFB, SAFB2, SAG, SAGE1, SALL1, SALL2, SALL3, SALL4, SAMD1, SAMD10, SAMD11, SAMD12, SAMD13, SAMD14, SAMD15, SAMD3, SAMD4A, SAMD4B, SAMD5, SAMD7, SAMD8, SAMD9, SAMD9L, SAMHD1, SAMM50, SAMSN1, SAMSN1-AS1, SAMTOR, SANBR, SAP130, SAP18, SAP25, SAP30, SAP30BP, SAP30L, SAPCD1, SAPCD1-AS1, SAPCD2, SAR1A, SAR1B, SARAF, SARDH, SARM1, SARNP, SARS1, SARS2, SART1, SART3, SASH1, SASH3, SASS6, SAT1, SAT2, SATB1, SATB2, SATL1, SAV1, SAXO1, SAXO2, SAXO4, SAXO5, SAYSD1, SBDS, SBF1, SBF2, SBF2-AS1, SBK1, SBK2, SBK3, SBNO1, SBNO2, SBSN, SBSPON, SC5D, SCAF1, SCAF11, SCAF4, SCAF8, SCAI, SCAMP1, SCAMP2, SCAMP3, SCAMP4, SCAMP5, SCAND1, SCAND3, SCAP, SCAPER, SCARA3, SCARA5, SCARB1, SCARB2, SCARF1, SCARF2, SCCPDH, SCD, SCD5, SCEL, SCEL-AS1, SCFD1, SCFD2, SCG2, SCG3, SCG5, SCGB1A1, SCGB1C1, SCGB1D1, SCGB1D2, SCGB1D4, SCGB2A1, SCGB2A2, SCGB2B2, SCGB3A1, SCGB3A2, SCGN, SCHIP1, SCIMP, SCIN, SCLT1, SCLY, SCM1, SCML1, SCML2, SCML4, SCN10A, SCN11A, SCN1A, SCN1B, SCN2A, SCN2B, SCN3A, SCN3B, SCN4A, SCN4B, SCN5A, SCN7A, SCN8A, SCN9A, SCNM1, SCNN1A, SCNN1B, SCNN1D, SCNN1G, SCO1, SCO2, SCOC, SCP2, SCP2D1, SCP2D1-AS1, SCPEP1, SCRG1, SCRIB, SCR1, SCR2, SCR3, SCRT1, SCRT2, SCT, SCTR, SCUBE1, SCUBE2, SCUBE3, SCYL1, SCYL2, SCYL3, SDAD1, SDC1, SDC2, SDC3, SDC4, SDCBP, SDCBP2, SDCCAG8, SDE2, SDF2, SDF2L1, SDF4, SDHA, SDHAF1, SDHAF2, SDHAF3, SDHAF4, SDHB, SDHC, SDHD, SDK1, SDK2, SDR16C5, SDR39U1, SDR42E1, SDR9C7, SDS, SDSL, SEBOX, SEC11A, SEC11C, SEC13, SEC14L1, SEC14L2, SEC14L3, SEC14L4, SEC14L5, SEC14L6, SEC16A, SEC16B, SEC1P, SEC22A, SEC22C, SEC23A, SEC23B, SEC23IP, SEC24A, SEC24B, SEC24C, SEC24D, SEC31A, SEC31B, SEC61A1, SEC61A2, SEC61B, SEC61G, SEC62, SEC63, SECISBP2, SECISBP2L, SECTM1, SEH1L, SEL1L, SEL1L2, SEL1L3, SELE, SELENBP1, SELENOF, SELENOH, SELENOI, SELENOK, SELENOM, SELENON, SELENOO, SELENOP, SELENOS, SELENOT, SELENOV, SELENOW, SELL,

SELP, SELPLG, SEM1, SEMA3A, SEMA3B, SEMA3C, SEMA3D, SEMA3E, SEMA3F, SEMA3G, SEMA4A, SEMA4B, SEMA4C, SEMA4D, SEMA4F, SEMA4G, SEMA5A, SEMA5B, SEMA6A, SEMA6A-AS1, SEMA6B, SEMA6C, SEMA6D, SEMA7A, SEMG1, SEMG2, SENP1, SENP2, SENP3, SENP3-EIF4A1, SENP5, SENP6, SENP7, SENP8, SEPHS1, SEPHS2, SEPSECS, SEPTIN1, SEPTIN10, SEPTIN11, SEPTIN12, SEPTIN14, SEPTIN2, SEPTIN3, SEPTIN4, SEPTIN4-AS1, SEPTIN5, SEPTIN6, SEPTIN7, SEPTIN8, SEPTIN9, SERAC1, SERBP1, SERF1A, SERF1B, SERF2, SERGEF, SERHL2, SERINC1, SERINC2, SERINC3, SERINC4, SERINC5, SERP1, SERP2, SERPINA1, SERPINA10, SERPINA11, SERPINA12, SERPINA2, SERPINA3, SERPINA4, SERPINA5, SERPINA6, SERPINA7, SERPINA9, SERPINB1, SERPINB10, SERPINB11, SERPINB12, SERPINB13, SERPINB2, SERPINB3, SERPINB4, SERPINB5, SERPINB6, SERPINB7, SERPINB8, SERPINB9, SERPINC1, SERPIND1, SERPINE1, SERPINE2, SERPINE3, SERPINF1, SERPINF2, SERPING1, SERPINH1, SERPINI1, SERPINI2, SERTAD1, SERTAD2, SERTAD3, SERTAD4, SERTM1, SESN1, SESN2, SESN3, SESTD1, SET, SETBP1, SETD1A, SETD1B, SETD2, SETD3, SETD4, SETD5, SETD6, SETD7, SETD9, SETDB1, SETDB2, SETMAR, SETSIP, SETX, SEZ6, SEZ6L, SEZ6L2, SF1, SF3A1, SF3A2, SF3A3, SF3B1, SF3B2, SF3B3, SF3B4, SF3B5, SF3B6, SFI1, SFMBT1, SFMBT2, SFN, SFPQ, SFR1, SFRP1, SFRP2, SFRP4, SFRP5, SFSWAP, SFT2D1, SFT2D2, SFT2D3, SFTA2, SFTA3, SFTPA1, SFTPA2, SFTPB, SFTPC, SFTPD, SFXN1, SFXN2, SFXN3, SFXN4, SFXN5, SGCA, SGCB, SGCD, SGCE, SGCG, SGCZ, SGF29, SGIP1, SGK1, SGK2, SGK3, SGMS1, SGMS2, SGO1, SGO1-AS1, SGO2, SGPL1, SGPP1, SGPP2, SGSH, SGSM1, SGSM2, SGSM3, SGTA, SGTB, SH2B1, SH2B2, SH2B3, SH2D1A, SH2D1B, SH2D2A, SH2D3A, SH2D3C, SH2D4A, SH2D4B, SH2D5, SH2D6, SH2D7, SH3BGR, SH3BGR1, SH3BGR2, SH3BGR3, SH3BP1, SH3BP2, SH3BP4, SH3BP5, SH3BP5L, SH3D19, SH3D21, SH3GL1, SH3GL2, SH3GL3, SH3GLB1, SH3GLB2, SH3KBP1, SH3PXD2A, SH3PXD2B, SH3RF1, SH3RF2, SH3RF3, SH3RF3-AS1, SH3TC1, SH3TC2, SH3YL1, SHANK1, SHANK2, SHANK3, SHARPIN, SHB, SHBG, SHC1, SHC2, SHC3, SHC4, SHCBP1, SHCBP1L, SHD, SHE, SHF, SHFL, SHH, SHISA2, SHISA3, SHISA4, SHISA5, SHISA6, SHISA7, SHISA8, SHISA9, SHISAL1, SHISAL2A, SHISAL2B, SHKBP1, SHLD1, SHLD2, SHMT1, SHMT2, SHOC1, SHOC2, SHOX, SHOX2, SHPK, SHPRH, SHQ1, SHROOM1, SHROOM2, SHROOM3, SHROOM4, SHTN1, SI, SIAE, SIAH1, SIAH2, SIAH3, SIDT1, SIDT2, SIGIRR, SIGLEC1, SIGLEC10, SIGLEC11, SIGLEC12, SIGLEC14, SIGLEC15, SIGLEC16, SIGLEC5, SIGLEC6, SIGLEC7, SIGLEC8, SIGLEC9, SIGLECL1, SIGMAR1, SIK1, SIK2, SIK3, SIKE1, SIL1, SIM1, SIM2, SIMC1, SIN3A, SIN3B, SINHCAF, SIPA1, SIPA1L1, SIPA1L2, SIPA1L3, SIRPA, SIRPB1, SIRPB2, SIRPD, SIRPG, SIRT1, SIRT2, SIRT3, SIRT4, SIRT5, SIRT6, SIRT7, SIT1, SIVA1, SIX1, SIX2, SIX3, SIX4, SIX5, SIX6, SKA1, SKA2, SKA3, SKAP1, SKAP2, SKI, SKIC2, SKIC3, SKIC8, SKIDA1, SKIL, SKOR1, SKOR2, SKP1, SKP2, SLA, SLA2, SLAIN1, SLAIN2, SLAMF1, SLAMF6, SLAMF7, SLAMF8, SLAMF9, SLBP, SLC10A1, SLC10A2, SLC10A3, SLC10A4, SLC10A5, SLC10A6, SLC10A7, SLC11A1, SLC11A2, SLC12A1, SLC12A2, SLC12A3, SLC12A4, SLC12A5, SLC12A6, SLC12A7, SLC12A8, SLC12A9, SLC13A1, SLC13A2, SLC13A3, SLC13A4, SLC13A5, SLC14A1, SLC14A2, SLC15A1, SLC15A2, SLC15A3, SLC15A4, SLC15A5, SLC16A1, SLC16A10, SLC16A11, SLC16A12, SLC16A12-AS1, SLC16A13, SLC16A14, SLC16A2, SLC16A3, SLC16A4, SLC16A5, SLC16A6, SLC16A7, SLC16A8, SLC16A9, SLC17A1, SLC17A2, SLC17A3, SLC17A4, SLC17A5, SLC17A6, SLC17A7, SLC17A8, SLC17A9, SLC18A1, SLC18A2, SLC18A3, SLC18B1, SLC19A1, SLC19A2, SLC19A3, SLC19A4P, SLC1A1, SLC1A2, SLC1A3, SLC1A4, SLC1A5, SLC1A6, SLC1A7, SLC20A1, SLC20A2, SLC22A1, SLC22A10, SLC22A11, SLC22A12, SLC22A13, SLC22A14, SLC22A15, SLC22A16, SLC22A17, SLC22A18, SLC22A18AS, SLC22A2, SLC22A20P, SLC22A23, SLC22A24, SLC22A25, SLC22A3, SLC22A31, SLC22A4, SLC22A5, SLC22A6, SLC22A7, SLC22A8, SLC22A9, SLC23A1, SLC23A2, SLC23A3, SLC24A1, SLC24A2, SLC24A3, SLC24A4, SLC24A5, SLC25A1, SLC25A10, SLC25A11, SLC25A12, SLC25A13, SLC25A14, SLC25A15, SLC25A16, SLC25A17, SLC25A18, SLC25A19, SLC25A2, SLC25A20, SLC25A21, SLC25A22, SLC25A23, SLC25A24, SLC25A25, SLC25A26, SLC25A27, SLC25A28, SLC25A29, SLC25A3, SLC25A30, SLC25A31, SLC25A32, SLC25A33, SLC25A34, SLC25A35, SLC25A36, SLC25A37, SLC25A38, SLC25A39, SLC25A4, SLC25A40, SLC25A41, SLC25A42, SLC25A43, SLC25A44, SLC25A45, SLC25A46, SLC25A47, SLC25A48, SLC25A5, SLC25A52, SLC25A53, SLC26A1, SLC26A10P, SLC26A11, SLC26A2, SLC26A3, SLC26A4, SLC26A4-AS1, SLC26A5, SLC26A6, SLC26A7, SLC26A8, SLC26A9, SLC27A1, SLC27A2, SLC27A3, SLC27A4, SLC27A5, SLC27A6, SLC28A1, SLC28A2, SLC28A3, SLC29A1, SLC29A2, SLC29A3, SLC29A4,

SLC2A1, SLC2A10, SLC2A11, SLC2A12, SLC2A13, SLC2A14, SLC2A2, SLC2A3, SLC2A4, SLC2A4RG, SLC2A5, SLC2A6, SLC2A7, SLC2A8, SLC2A9, SLC30A1, SLC30A10, SLC30A2, SLC30A3, SLC30A4, SLC30A5, SLC30A6, SLC30A7, SLC30A8, SLC30A9, SLC31A1, SLC31A2, SLC32A1, SLC33A1, SLC34A1, SLC34A2, SLC34A3, SLC35A1, SLC35A2, SLC35A3, SLC35A4, SLC35A5, SLC35B1, SLC35B2, SLC35B3, SLC35B4, SLC35C1, SLC35C2, SLC35D1, SLC35D2, SLC35D3, SLC35E1, SLC35E2B, SLC35E3, SLC35E4, SLC35F1, SLC35F2, SLC35F3, SLC35F4, SLC35F5, SLC35F6, SLC35G1, SLC35G2, SLC35G3, SLC35G4, SLC35G5, SLC35G6, SLC36A1, SLC36A2, SLC36A3, SLC36A4, SLC37A1, SLC37A2, SLC37A3, SLC37A4, SLC38A1, SLC38A10, SLC38A11, SLC38A2, SLC38A3, SLC38A4, SLC38A5, SLC38A6, SLC38A7, SLC38A8, SLC38A9, SLC39A1, SLC39A10, SLC39A11, SLC39A12, SLC39A12-AS1, SLC39A13, SLC39A14, SLC39A2, SLC39A3, SLC39A4, SLC39A5, SLC39A6, SLC39A7, SLC39A8, SLC39A9, SLC3A1, SLC3A2, SLC40A1, SLC41A1, SLC41A2, SLC41A3, SLC43A1, SLC43A2, SLC43A3, SLC44A1, SLC44A2, SLC44A3, SLC44A4, SLC44A5, SLC45A1, SLC45A2, SLC45A3, SLC45A4, SLC46A1, SLC46A2, SLC46A3, SLC47A1, SLC47A2, SLC48A1, SLC49A3, SLC49A4, SLC4A1, SLC4A10, SLC4A11, SLC4A1AP, SLC4A2, SLC4A3, SLC4A4, SLC4A5, SLC4A7, SLC4A8, SLC4A9, SLC50A1, SLC51A, SLC51B, SLC52A1, SLC52A2, SLC52A3, SLC5A1, SLC5A10, SLC5A11, SLC5A12, SLC5A2, SLC5A3, SLC5A4, SLC5A5, SLC5A6, SLC5A7, SLC5A8, SLC5A9, SLC66A1, SLC66A1LP, SLC66A2, SLC66A3, SLC6A1, SLC6A11, SLC6A12, SLC6A13, SLC6A14, SLC6A15, SLC6A16, SLC6A17, SLC6A18, SLC6A19, SLC6A2, SLC6A20, SLC6A3, SLC6A4, SLC6A5, SLC6A6, SLC6A7, SLC6A8, SLC6A9, SLC7A1, SLC7A10, SLC7A11, SLC7A13, SLC7A14, SLC7A2, SLC7A3, SLC7A4, SLC7A5, SLC7A6, SLC7A6OS, SLC7A7, SLC7A8, SLC7A9, SLC8A1, SLC8A2, SLC8A3, SLC8B1, SLC9A1, SLC9A2, SLC9A3, SLC9A4, SLC9A5, SLC9A6, SLC9A7, SLC9A8, SLC9A9, SLC9B1, SLC9B2, SLC9C1, SLC9C2, SLCO1A2, SLCO1B1, SLCO1B3, SLCO1B7, SLCO1C1, SLCO2A1, SLCO2B1, SLCO3A1, SLCO4A1, SLCO4A1-AS1, SLCO4C1, SLCO5A1, SLCO6A1, SLF1, SLF2, SLFN11, SLFN12, SLFN12L, SLFN13, SLFN14, SLFN5, SLFNL1, SLFNL1-AS1, SLIRP, SLIRP-OT1, SLIT1, SLIT2, SLIT3, SLITRK1, SLITRK2, SLITRK3, SLITRK4, SLITRK5, SLITRK6, SLK, SLMAP, SLN, SLPI, SLTM, SLU7, SLURP1, SLX1A-SULT1A3, SLX1B, SLX1B-SULT1A4, SLX4, SLX4IP, SLX9, SMAD1, SMAD1-AS1, SMAD2, SMAD3, SMAD4, SMAD5, SMAD6, SMAD7, SMAD9, SMAGP, SMAP1, SMAP2, SMARCA1, SMARCA2, SMARCA4, SMARCA5, SMARCA5-AS1, SMARCAD1, SMARCAL1, SMARCB1, SMARCC1, SMARCC2, SMARCD1, SMARCD2, SMARCD3, SMARCE1, SMC1A, SMC1B, SMC2, SMC3, SMC4, SMC5, SMC6, SMCHD1, SMCO1, SMCO2, SMCO3, SMCO4, SMCP, SMCR8, SMDT1, SMG1, SMG5, SMG6, SMG7, SMG8, SMG9, SMIM1, SMIM10, SMIM10L1, SMIM10L2A, SMIM10L2B, SMIM11, SMIM12, SMIM13, SMIM14, SMIM15, SMIM17, SMIM18, SMIM19, SMIM2, SMIM20, SMIM21, SMIM22, SMIM23, SMIM24, SMIM26, SMIM29, SMIM3, SMIM5, SMIM7, SMIM8, SMIM9, SMKR1, SMLR1, SMN1, SMNDC1, SMO, SMOC1, SMOC2, SMOX, SMPD1, SMPD2, SMPD3, SMPD4, SMPDL3A, SMPDL3B, SMPX, SMR3A, SMR3B, SMS, SMTN, SMTNL1, SMTNL2, SMU1, SMUG1, SMURF1, SMURF2, SMYD1, SMYD2, SMYD3, SMYD4, SMYD5, SNAI1, SNAI2, SNAI3, SNAP23, SNAP25, SNAP29, SNAP47, SNAP91, SNAPC1, SNAPC2, SNAPC3, SNAPC4, SNAPC5, SNAPIN, SNCA, SNCAIP, SNCB, SNCG, SND1, SNED1, SNF8, SNHG28, SNHG32, SNHG4, SNIP1, SNN, SNORC, SNPH, SNRK, SNRK-AS1, SNRNP200, SNRNP25, SNRNP27, SNRNP40, SNRNP48, SNRNP70, SNRPA, SNRPA1, SNRPB, SNRPB2, SNRPC, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF, SNRPG, SNRPN, SNTA1, SNTB1, SNTB2, SNTG1, SNTG2, SNTN, SNU13, SNUPN, SNURF, SNW1, SNX1, SNX10, SNX11, SNX12, SNX13, SNX14, SNX15, SNX16, SNX17, SNX18, SNX19, SNX2, SNX20, SNX21, SNX22, SNX24, SNX25, SNX27, SNX29, SNX3, SNX30, SNX31, SNX32, SNX33, SNX4, SNX5, SNX6, SNX7, SNX8, SNX9, SOAT1, SOAT2, SOBP, SOCS1, SOCS2, SOCS3, SOCS4, SOCS5, SOCS6, SOCS7, SOD1, SOD2, SOD3, SOHLH1, SOHLH2, SON, SORBS1, SORBS2, SORBS3, SORCS1, SORCS2, SORCS3, SORD, SORL1, SORT1, SOS1, SOS2, SOST, SOSTDC1, SOWAHA, SOWAHB, SOWAHC, SOWAHD, SOX1, SOX10, SOX11, SOX12, SOX13, SOX14, SOX15, SOX17, SOX18, SOX2, SOX21, SOX3, SOX30, SOX4, SOX5, SOX6, SOX7, SOX8, SOX9, SP1, SP100, SP110, SP140, SP140L, SP2, SP3, SP4, SP5, SP6, SP7, SP8, SP9, SPA17, SPAAR, SPACA1, SPACA3, SPACA4, SPACA5B, SPACA6, SPACA7, SPACA9, SPACDR, SPAG1, SPAG11A, SPAG11B, SPAG16, SPAG17, SPAG4, SPAG5, SPAG5-AS1, SPAG6, SPAG7, SPAG8, SPAG9, SPAM1, SPANXA1, SPANXC, SPANXD, SPANXN1, SPANXN2, SPANXN3, SPANXN4, SPANXN5, SPARC,

SPARCL1, SPART, SPAST, SPATA1, SPATA12, SPATA13, SPATA16, SPATA17, SPATA17-AS1, SPATA18, SPATA19, SPATA2, SPATA20, SPATA21, SPATA22, SPATA24, SPATA25, SPATA2L, SPATA3, SPATA31C1, SPATA31C2, SPATA31D1, SPATA31E1, SPATA31F1, SPATA31F3, SPATA31G1, SPATA31H1, SPATA31J1, SPATA32, SPATA33, SPATA4, SPATA45, SPATA46, SPATA6, SPATA6L, SPATA7, SPATA8, SPATA9, SPATC1, SPATC1L, SPATS1, SPATS2, SPATS2L, SPC24, SPC25, SPCS1, SPCS2, SPCS3, SPDEF, SPDL1, SPDYA, SPDYC, SPDYE1, SPDYE2, SPDYE3, SPDYE4, SPDYE5, SPDYE6, SPECC1, SPECC1L, SPECC1L-ADORA2A, SPEF1, SPEF2, SPEG, SPEM1, SPEM2, SPEN, SPESP1, SPG11, SPG21, SPG7, SPHK1, SPHK2, SPHKAP, SPI1, SPIB, SPIC, SPICE1, SPIDR, SPIN1, SPIN2B, SPIN3, SPIN4, SPINDOC, SPINK1, SPINK13, SPINK14, SPINK2, SPINK4, SPINK5, SPINK6, SPINK7, SPINK8, SPINK9, SPINT1, SPINT2, SPINT3, SPINT4, SPIRE1, SPIRE2, SPMAP1, SPMAP2, SPMAP2L, SPMIP10, SPMIP2, SPMIP3, SPMIP4, SPMIP5, SPMIP6, SPMIP7, SPMIP8, SPMIP9, SPN, SPNS1, SPNS2, SPNS3, SPO11, SPOCD1, SPOCK1, SPOCK2, SPOCK3, SPON1, SPON2, SPOP, SPOPL, SPOUT1, SPP1, SPP2, SPPL2A, SPPL2B, SPPL2C, SPPL3, SPR, SPRED1, SPRED2, SPRED3, SPRING1, SPRN, SPRR1A, SPRR1B, SPRR2A, SPRR2B, SPRR2D, SPRR2E, SPRR2F, SPRR2G, SPRR3, SPRR4, SPRTN, SPRY1, SPRY2, SPRY4, SPRYD3, SPRYD4, SPRYD7, SPSB1, SPSB2, SPSB3, SPSB4, SPTA1, SPTAN1, SPTB, SPTBN1, SPTBN2, SPTBN4, SPTBN5, SPTLC1, SPTLC2, SPTLC3, SPTSSA, SPTSSB, SPTY2D1, SPX, SPZ1, SQLE, SQOR, SQSTM1, SRA1, SRARP, SRBD1, SRC, SRCAP, SRCIN1, SRD5A1, SRD5A2, SRD5A3, SREBF1, SREBF2, SREK1, SREK1IP1, SRF, SRFBP1, SRGAP1, SRGAP2, SRGAP2C, SRGAP3, SRGN, SRI, SRL, SRM, SRMS, SRP14, SRP19, SRP54, SRP68, SRP72, SRP9, SRPK1, SRPK2, SRPK3, SRPRA, SRPRB, SRPX, SRPX2, SRR, SRRD, SRRM1, SRRM2, SRRM3, SRRM4, SRRM5, SRRT, SRSF1, SRSF10, SRSF11, SRSF12, SRSF2, SRSF3, SRSF4, SRSF5, SRSF6, SRSF7, SRSF8, SRSF9, SRXN1, SRY, SS18, SS18L1, SS18L2, SSB, SSBP1, SSBP2, SSBP3, SSBP4, SSC4D, SSC5D, SSH1, SSH2, SSH3, SSMEM1, SSNA1, SSPN, SSPOP, SSR1, SSR2, SSR3, SSR4, SSRP1, SST, SSTR1, SSTR2, SSTR3, SSTR4, SSTR5, SSU72, SSUH2, SSX1, SSX2IP, SSX3, SSX4, SSX5, SSX7, ST13, ST14, ST18, ST20, ST20-MTHFS, ST3GAL1, ST3GAL2, ST3GAL3, ST3GAL4, ST3GAL5, ST3GAL6, ST6GAL1, ST6GAL2, ST6GALNAC1, ST6GALNAC2, ST6GALNAC3, ST6GALNAC4, ST6GALNAC5, ST6GALNAC6, ST7, ST7-AS2, ST7-OT3, ST7L, ST8SIA1, ST8SIA2, ST8SIA3, ST8SIA4, ST8SIA5, ST8SIA6, STAB1, STAB2, STAC, STAC2, STAC3, STAG1, STAG2, STAG3, STAM, STAM2, STAMBIP, STAMBPL1, STAP1, STAP2, STAR, STARD10, STARD13, STARD3, STARD3NL, STARD4, STARD5, STARD6, STARD7, STARD8, STARD9, STAT1, STAT2, STAT3, STAT4, STAT5A, STAT5B, STAT6, STATH, STAU1, STAU2, STBD1, STC1, STC2, STEAP1, STEAP1B, STEAP2, STEAP3, STEAP3-AS1, STEAP4, STEEP1, STH, STIL, STIM1, STIM2, STIMATE, STIMATE-MUSTN1, STING1, STIP1, STK10, STK11, STK11IP, STK16, STK17A, STK17B, STK19, STK24, STK25, STK26, STK3, STK31, STK32A, STK32B, STK32C, STK33, STK35, STK36, STK38, STK38L, STK39, STK4, STK40, STKLD1, STMN1, STMN2, STMN3, STMN4, STMND1, STMP1, STN1, STOM, STOML1, STOML2, STOML3, STON1, STON1-GTF2A1L, STON2, STOX1, STOX2, STPG1, STPG2, STPG3, STPG4, STRA6, STRA8, STRADA, STRADB, STRAP, STRBP, STRC, STRIP1, STRIP2, STRN, STRN3, STRN4, STS, STT3A, STT3B, STUB1, STUM, STX10, STX11, STX12, STX16, STX16-NPEPL1, STX17, STX18, STX19, STX1A, STX1B, STX2, STX3, STX4, STX5, STX6, STX7, STX8, STXBP1, STXBP2, STXBP3, STXBP4, STXBP5, STXBP5L, STXBP6, STYK1, STYX, STYXL1, STYXL2, SUB1, SUCLA2, SUCLG1, SUCLG2, SUCNR1, SUCO, SUDS3, SUFU, SUGCT, SUGP1, SUGP2, SUGT1, SULF1, SULF2, SULT1A1, SULT1A2, SULT1B1, SULT1C2, SULT1C3, SULT1C4, SULT1E1, SULT2A1, SULT2B1, SULT4A1, SULT6B1, SUMF1, SUMF2, SUMO1, SUMO2, SUMO3, SUMO4, SUN1, SUN2, SUN3, SUN5, SUOX, SUPT16H, SUPT20H, SUPT20HL1, SUPT20HL2, SUPT3H, SUPT4H1, SUPT5H, SUPT6H, SUPT7L, SUPV3L1, SURF1, SURF2, SURF4, SURF6, SUSD1, SUSD2, SUSD3, SUSD4, SUSD5, SUSD6, SUV39H1, SUV39H2, SUZ12, SV2A, SV2B, SV2C, SVBP, SVEP1, SVIL, SVIP, SVOP, SVOPL, SWAP70, SWI5, SWSAP1, SWT1, SYAP1, SYBU, SYCE1, SYCE1L, SYCE2, SYCE3, SYCN, SYCP1, SYCP2, SYCP2L, SYCP3, SYDE1, SYDE2, SYF2, SYK, SYMPK, SYN1, SYN2, SYN3, SYNC, SYNCRIP, SYNDIG1, SYNDIG1L, SYNE1, SYNE1-AS1, SYNE2, SYNE3, SYNE4, SYNGAP1, SYNGR1, SYNGR2, SYNGR3, SYNGR4, SYNJ1, SYNJ2, SYNJ2BP, SYNJ2BP-COX16, SYNM, SYNPO, SYNPO2, SYNPO2L, SYNPR, SYNRG, SYP, SYP-AS1, SYPL1, SYPL2, SYS1, SYS1-DBNDD2, SYT1, SYT10, SYT11, SYT12, SYT13, SYT14, SYT15, SYT16, SYT17, SYT2, SYT3, SYT4, SYT5, SYT6, SYT7, SYT8, SYT9, SYTL1, SYTL2, SYTL3, SYTL4, SYTL5, SYVN1, SZRD1, SZT2, TAAR1, TAAR2, TAAR5, TAAR6, TAAR8,



TMEM100, TMEM101, TMEM102, TMEM104, TMEM105, TMEM106A, TMEM106B, TMEM106C, TMEM107, TMEM108, TMEM109, TMEM111, TMEM114, TMEM115, TMEM116, TMEM117, TMEM119, TMEM120A, TMEM120B, TMEM121, TMEM121B, TMEM123, TMEM125, TMEM126A, TMEM126B, TMEM127, TMEM128, TMEM129, TMEM130, TMEM131, TMEM131L, TMEM132A, TMEM132B, TMEM132C, TMEM132D, TMEM132E, TMEM132E-DT, TMEM134, TMEM135, TMEM138, TMEM139, TMEM140, TMEM141, TMEM143, TMEM144, TMEM145, TMEM147, TMEM147-AS1, TMEM14A, TMEM14B, TMEM14C, TMEM14EP, TMEM150A, TMEM150B, TMEM150C, TMEM151A, TMEM151B, TMEM154, TMEM156, TMEM158, TMEM160, TMEM161A, TMEM161B, TMEM163, TMEM164, TMEM165, TMEM167A, TMEM167B, TMEM168, TMEM169, TMEM17, TMEM170A, TMEM170B, TMEM171, TMEM174, TMEM175, TMEM176A, TMEM176B, TMEM177, TMEM178A, TMEM178B, TMEM179, TMEM179B, TMEM18, TMEM181, TMEM182, TMEM183A, TMEM183BP, TMEM184A, TMEM184B, TMEM184C, TMEM185A, TMEM185B, TMEM186, TMEM187, TMEM19, TMEM190, TMEM191B, TMEM191C, TMEM192, TMEM196, TMEM198, TMEM199, TMEM200A, TMEM200B, TMEM200C, TMEM201, TMEM202, TMEM203, TMEM204, TMEM205, TMEM207, TMEM208, TMEM209, TMEM210, TMEM212, TMEM213, TMEM214, TMEM215, TMEM216, TMEM217, TMEM218, TMEM219, TMEM220, TMEM220-AS1, TMEM221, TMEM222, TMEM223, TMEM225, TMEM229A, TMEM229B, TMEM230, TMEM231, TMEM232, TMEM233, TMEM234, TMEM235, TMEM237, TMEM238, TMEM239, TMEM240, TMEM241, TMEM242, TMEM243, TMEM244, TMEM245, TMEM247, TMEM248, TMEM249, TMEM25, TMEM250, TMEM252, TMEM253, TMEM254, TMEM254-AS1, TMEM255A, TMEM255B, TMEM256, TMEM258, TMEM259, TMEM26, TMEM26-AS1, TMEM260, TMEM262, TMEM263, TMEM265, TMEM266, TMEM267, TMEM268, TMEM270, TMEM273, TMEM30A, TMEM30B, TMEM30CP, TMEM31, TMEM33, TMEM35A, TMEM35B, TMEM37, TMEM38A, TMEM38B, TMEM39A, TMEM39B, TMEM40, TMEM41A, TMEM41B, TMEM42, TMEM43, TMEM44, TMEM45A, TMEM45B, TMEM47, TMEM50A, TMEM50B, TMEM51, TMEM51-AS2, TMEM52, TMEM52B, TMEM53, TMEM54, TMEM59, TMEM59L, TMEM60, TMEM61, TMEM62, TMEM63A, TMEM63B, TMEM63C, TMEM64, TMEM65, TMEM67, TMEM68, TMEM69, TMEM70, TMEM71, TMEM72, TMEM74B, TMEM79, TMEM80, TMEM81, TMEM82, TMEM86A, TMEM86B, TMEM87A, TMEM87B, TMEM88, TMEM88B, TMEM89, TMEM8B, TMEM9, TMEM91, TMEM92, TMEM94, TMEM95, TMEM97, TMEM98, TMEM9B, TMF1, TMIE, TMIGD1, TMIGD2, TMIGD3, TMLHE, TMOD1, TMOD2, TMOD3, TMOD4, TMPO, TMPPE, TMPRSS11A, TMPRSS11B, TMPRSS11D, TMPRSS11E, TMPRSS11F, TMPRSS12, TMPRSS13, TMPRSS15, TMPRSS2, TMPRSS3, TMPRSS4, TMPRSS5, TMPRSS6, TMPRSS7, TMPRSS9, TMSB10, TMSB15A, TMSB15B, TMSB4X, TMSB4Y, TMT1A, TMT1B, TMTC1, TMTC2, TMTC3, TMTC4, TMUB1, TMUB2, TMX1, TMX2, TMX3, TMX4, TNC, TNF, TNFAIP1, TNFAIP2, TNFAIP3, TNFAIP6, TNFAIP8, TNFAIP8L1, TNFAIP8L2, TNFAIP8L3, TNFRSF10A, TNFRSF10B, TNFRSF10C, TNFRSF10D, TNFRSF11A, TNFRSF11B, TNFRSF12A, TNFRSF13B, TNFRSF13C, TNFRSF14, TNFRSF17, TNFRSF18, TNFRSF19, TNFRSF1A, TNFRSF1B, TNFRSF21, TNFRSF25, TNFRSF4, TNFRSF6B, TNFRSF8, TNFRSF9, TNFSF10, TNFSF11, TNFSF12, TNFSF12-TNFSF13, TNFSF13, TNFSF13B, TNFSF14, TNFSF15, TNFSF18, TNFSF4, TNFSF8, TNFSF9, TNIK, TNIP1, TNIP2, TNIP3, TNK1, TNK2, TNKS, TNKS1BP1, TNKS2, TNMD, TNN, TNNC1, TNNC2, TNNI1, TNNI2, TNNI3, TNNI3K, TNNT1, TNNT2, TNNT3, TNP1, TNP2, TNPO1, TNPO2, TNPO3, TNR, TNRC18, TNRC6A, TNRC6B, TNRC6C, TNS1, TNS2, TNS3, TNS4, TNXA, TNXB, TOB1, TOB2, TOE1, TOGARAM1, TOGARAM2, TOLLIP, TOM1, TOM1L1, TOM1L2, TOMM20, TOMM20L, TOMM22, TOMM34, TOMM40, TOMM40L, TOMM5, TOMM6, TOMM7, TOMM70, TONSL, TOP1, TOP1MT, TOP2A, TOP2B, TOP3A, TOP3B, TOP6BL, TOPAZ1, TOPBP1, TOPORS, TOR1A, TOR1AIP1, TOR1AIP2, TOR1B, TOR2A, TOR3A, TOR4A, TOX, TOX2, TOX3, TOX4, TP53, TP53AIP1, TP53BP1, TP53BP2, TP53I11, TP53I13, TP53I3, TP53INP1, TP53INP2, TP53RK, TP53TG3, TP53TG3B, TP53TG3C, TP53TG3D, TP53TG5, TP63, TP73, TPBG, TPBGL, TPCN1, TPCN2, TPD52, TPD52L1, TPD52L2, TPD52L3, TPGS1, TPGS2, TPH1, TPH2, TPI1, TPK1, TPM1, TPM2, TPM3, TPM4, TPMT, TPO, TPP1, TPP2, PPP, PPP2, PPP3, TPR, TPRA1, TPRG1, TPRG1-AS2, TPRG1L, TPRKB, TPRN, TPRX1, TPRXL, TPSAB1, TPSB2, TPSD1, TPSG1, TPST1, TPST2, TPT1,



UGT1A6, UGT1A7, UGT1A8, UGT1A9, UGT2A1, UGT2A2, UGT2A3, UGT2B10, UGT2B11, UGT2B15, UGT2B17, UGT2B28, UGT2B4, UGT2B7, UGT3A1, UGT3A2, UGT8, UHMK1, UHRF1, UHRF2, UIMC1, ULBP1, ULBP2, ULBP3, ULK1, ULK2, ULK3, ULK4, UMAD1, UMOD, UMODL1, UMPS, UNC119, UNC119B, UNC13A, UNC13B, UNC13C, UNC13D, UNC45A, UNC45B, UNC50, UNC5A, UNC5B, UNC5C, UNC5CL, UNC5D, UNC79, UNC80, UNC93A, UNC93B1, UNCX, UNG, UNK, UNKL, UPB1, UPF1, UPF2, UPF3A, UPF3B, UPK1A, UPK1A-AS1, UPK1B, UPK2, UPK3A, UPK3B, UPK3BL1, UPP1, UPP2, UPRT, UQCC1, UQCC2, UQCC3, UQCC4, UQCC5, UQCC6, UQCR10, UQCR11, UQCRB, UQCRC1, UQCRC2, UQCRCF51, UQCRCR, UQCRCRHL, UQCRCRQ, URAD, URAHP, URB1, URB2, URGCP, URGCP-MRPS24, URI1, URM1, UROC1, UROD, UROS, USB1, USE1, USF1, USF2, USF3, USH1C, USH1G, USH2A, USHBP1, USO1, USP1, USP10, USP11, USP12, USP13, USP14, USP15, USP16, USP17L1, USP17L10, USP17L18, USP17L2, USP17L21, USP17L22, USP17L25, USP17L26, USP17L29, USP17L7, USP19, USP2, USP20, USP21, USP22, USP24, USP25, USP26, USP27X, USP28, USP29, USP3, USP30, USP31, USP32, USP33, USP34, USP35, USP36, USP37, USP38, USP39, USP4, USP40, USP42, USP43, USP44, USP45, USP46, USP47, USP48, USP49, USP5, USP50, USP51, USP53, USP54, USP6, USP6NL, USP7, USP8, USP9X, USP9Y, USPL1, UST, UTF1, UTP11, UTP14A, UTP14C, UTP15, UTP18, UTP20, UTP23, UTP25, UTP3, UTP4, UTP6, UTRN, UTS2, UTS2B, UTS2R, UTY, UVRAG, UVSSA, UXS1, UXT, UXT-AS1, VAC14, VAMP1, VAMP2, VAMP3, VAMP4, VAMP5, VAMP8, VANGL1, VANGL2, VAPA, VAPB, VARS1, VARS2, VASH1, VASH2, VASN, VASP, VAT1, VAT1L, VAV1, VAV2, VAV3, VAX1, VAX2, VBP1, VCAM1, VCAN, VCF1, VCF2, VCL, VCP, VCP1P1, VCPKMT, VCX, VCX2, VCX3A, VCX3B, VCY1B, VDAC1, VDAC2, VDAC3, VDR, VEGFA, VEGFB, VEGFC, VEGFD, VENTX, VEPH1, VEZF1, VEZT, VGF, VGLL1, VGLL2, VGLL3, VGLL4, VHL, VHLL, VIL1, VILL, VIM, VIP, VIPAS39, VIPR1, VIPR1-AS1, VIPR2, VIRMA, VIT, VKORC1, VKORC1L1, VLDLR, VLDLR-AS1, VMA21, VMAC, VMO1, VMP1, VN1R1, VN1R2, VN1R4, VN1R5, VNN1, VNN2, VNN3P, VOPP1, VPREB1, VPREB3, VPS11, VPS13A, VPS13A-AS1, VPS13B, VPS13C, VPS13D, VPS16, VPS18, VPS25, VPS26A, VPS26B, VPS26C, VPS28, VPS29, VPS33A, VPS33B, VPS35, VPS35L, VPS36, VPS37A, VPS37B, VPS37C, VPS37D, VPS39, VPS41, VPS45, VPS4A, VPS4B, VPS50, VPS51, VPS52, VPS53, VPS54, VPS72, VPS8, VPS9D1, VPS9D1-AS1, VRK1, VRK2, VRK3, VRTN, VSIG1, VSIG10, VSIG10L, VSIG2, VSIG4, VSIG8, VSIR, VSNL1, VSTM1, VSTM2A, VSTM2B, VSTM2L, VSTM4, VSTM5, VSX1, VSX2, VTA1, VTCN1, VT11A, VT11B, VTN, VWA1, VWA2, VWA3A, VWA3B, VWA5A, VWA5B1, VWA5B2, VWA7, VWA8, VWC2, VWC2L, VWCE, VWDE, VWF, VXN, WAC, WAPL, WARS1, WARS2, WAS, WASF1, WASF2, WASF3, WASH2P, WASHC1, WASHC2C, WASHC3, WASHC4, WASHC5, WASL, WBP1, WBP11, WBP1L, WBP2, WBP2NL, WBP4, WDCP, WDFY1, WDFY2, WDFY3, WDFY4, WDHD1, WDPCP, WDR1, WDR11, WDR12, WDR13, WDR17, WDR18, WDR19, WDR20, WDR24, WDR25, WDR26, WDR27, WDR3, WDR31, WDR33, WDR35, WDR36, WDR37, WDR38, WDR4, WDR41, WDR43, WDR44, WDR45, WDR45B, WDR46, WDR47, WDR48, WDR49, WDR5, WDR53, WDR54, WDR55, WDR59, WDR5B, WDR6, WDR62, WDR64, WDR7, WDR70, WDR72, WDR73, WDR74, WDR75, WDR76, WDR77, WDR81, WDR82, WDR83, WDR83OS, WDR86, WDR87, WDR88, WDR89, WDR90, WDR91, WDR93, WDR97, WDSUB1, WDTC1, WEE1, WEE2, WEE2-AS1, WFDC1, WFDC10A, WFDC10B, WFDC11, WFDC12, WFDC13, WFDC2, WFDC3, WFDC5, WFDC6, WFDC8, WFDC9, WFIKKN1, WFIKKN2, WFS1, WHAMM, WHRN, WIF1, WIPF1, WIPF2, WIPF3, WIPF3, WIPI1, WIPI2, WIZ, WLS, WNK1, WNK2, WNK3, WNK4, WNT1, WNT10A, WNT10B, WNT11, WNT16, WNT2, WNT2B, WNT3, WNT3A, WNT4, WNT5A, WNT5B, WNT6, WNT7A, WNT7B, WNT8A, WNT8B, WNT9A, WNT9B, WRAP53, WRAP73, WRN, WRNIP1, WSB1, WSB2, WSCD1, WSCD2, WT1, WTAP, WTAPP1, WTIP, WWC1, WWC2, WWC3, WWOX, WWP1, WWP2, WWTR1, XAB2, XAF1, XAGE1B, XAGE3, XAGE5, XBP1, XCL1, XCL2, XCR1, XDH, XGY2, XIAP, XIRP1, XIRP2, XK, XKR3, XKR4, XKR5, XKR6, XKR7, XKR8, XKR9, XKRX, XKRYP7, XPA, XPC, XPNPEP1, XPNPEP2, XPNPEP3, XPO1, XPO4, XPO5, XPO6, XPO7, XPOT, XPR1, XRCC1, XRCC2, XRCC3, XRCC4, XRCC5, XRCC6, XRN1, XRN2, XRR1A1, XXYL1, XYLB, XYLT1, XYLT2, YAE1, YAF2, YAP1, YARS1, YARS2, YBEY, YBX1, YBX2, YBX3, YDJC, YEATS2, YEATS4, YES1, YIF1A, YIF1B, YIPF1, YIPF2, YIPF3, YIPF4, YIPF5, YIPF6, YIPF7, YJEFN3, YJU2, YJU2B, YKT6, YLPM1, YME1L1, YOD1, YPEL1, YPEL2, YPEL3, YPEL4, YPEL5, YRDC, YTHDC1, YTHDC2, YTHDF1, YTHDF2, YTHDF3, YWHAB, YWHAE, YWHAG, YWHAH, YWHAH-AS1, YWHAQ, YWHAZ, YY1,

YY1AP1, YY2, ZACN, ZAN, ZAP70, ZAR1, ZAR1L, ZBBX, ZBED10P, ZBED2, ZBED3, ZBED4, ZBED5, ZBED6, ZBP1, ZBTB1, ZBTB10, ZBTB11, ZBTB11-AS1, ZBTB12, ZBTB14, ZBTB16, ZBTB17, ZBTB18, ZBTB2, ZBTB20, ZBTB20-AS1, ZBTB21, ZBTB22, ZBTB24, ZBTB25, ZBTB26, ZBTB3, ZBTB32, ZBTB33, ZBTB34, ZBTB37, ZBTB38, ZBTB39, ZBTB4, ZBTB40, ZBTB41, ZBTB42, ZBTB43, ZBTB44, ZBTB45, ZBTB46, ZBTB47, ZBTB48, ZBTB49, ZBTB5, ZBTB6, ZBTB7A, ZBTB7B, ZBTB7C, ZBTB8A, ZBTB8B, ZBTB8OS, ZBTB9, ZC2HC1A, ZC2HC1B, ZC2HC1C, ZC3H10, ZC3H11A, ZC3H12A, ZC3H12B, ZC3H12C, ZC3H12D, ZC3H13, ZC3H14, ZC3H15, ZC3H18, ZC3H3, ZC3H4, ZC3H6, ZC3H7A, ZC3H7B, ZC3H8, ZC3HAV1, ZC3HAV1L, ZC3HC1, ZC4H2, ZCCHC10, ZCCHC12, ZCCHC13, ZCCHC14, ZCCHC17, ZCCHC18, ZCCHC2, ZCCHC24, ZCCHC3, ZCCHC4, ZCCHC7, ZCCHC8, ZCCHC9, ZCRB1, ZCWPW1, ZCWPW2, ZDBF2, ZDHHC1, ZDHHC11, ZDHHC12, ZDHHC13, ZDHHC14, ZDHHC15, ZDHHC16, ZDHHC17, ZDHHC18, ZDHHC19, ZDHHC2, ZDHHC20, ZDHHC21, ZDHHC22, ZDHHC23, ZDHHC24, ZDHHC3, ZDHHC4, ZDHHC5, ZDHHC6, ZDHHC7, ZDHHC8, ZDHHC9, ZEB1, ZEB2, ZER1, ZFAND1, ZFAND2A, ZFAND2B, ZFAND3, ZFAND4, ZFAND5, ZFAND6, ZFAT, ZFAT-AS1, ZFC3H1, ZFHX2, ZFHX3, ZFHX4, ZFP1, ZFP14, ZFP2, ZFP28, ZFP3, ZFP30, ZFP36, ZFP36L1, ZFP36L2, ZFP37, ZFP41, ZFP42, ZFP57, ZFP62, ZFP64, ZFP69, ZFP69B, ZFP82, ZFP90, ZFP91, ZFP91-CNTF, ZFP92, ZFPL1, ZFPM1, ZFPM2, ZFR, ZFR2, ZFTA, ZFTRAF1, ZFX, ZFY, ZFYVE1, ZFYVE16, ZFYVE19, ZFYVE21, ZFYVE26, ZFYVE27, ZFYVE28, ZFYVE9, ZG16, ZG16B, ZGLP1, ZGPAT, ZGRF1, ZHX1, ZHX1-C8orf76, ZHX2, ZHX3, ZIC1, ZIC2, ZIC3, ZIC4, ZIC5, ZIK1, ZIM2, ZIM2-AS1, ZIM3, ZKSCAN1, ZKSCAN2, ZKSCAN3, ZKSCAN4, ZKSCAN5, ZKSCAN7, ZKSCAN8, ZMAT1, ZMAT2, ZMAT3, ZMAT4, ZMAT5, ZMIZ1, ZMIZ2, ZMPSTE24, ZMYM1, ZMYM2, ZMYM3, ZMYM4, ZMYM5, ZMYM6, ZMYND10, ZMYND11, ZMYND12, ZMYND15, ZMYND19, ZMYND8, ZNF10, ZNF100, ZNF101, ZNF106, ZNF107, ZNF112, ZNF114, ZNF117, ZNF12, ZNF121, ZNF124, ZNF131, ZNF132, ZNF133, ZNF134, ZNF135, ZNF136, ZNF138, ZNF14, ZNF141, ZNF142, ZNF143, ZNF146, ZNF148, ZNF154, ZNF155, ZNF157, ZNF16, ZNF160, ZNF165, ZNF169, ZNF17, ZNF174, ZNF175, ZNF177, ZNF18, ZNF180, ZNF181, ZNF182, ZNF184, ZNF185, ZNF189, ZNF19, ZNF195, ZNF197, ZNF2, ZNF20, ZNF200, ZNF202, ZNF205, ZNF205-AS1, ZNF207, ZNF208, ZNF211, ZNF212, ZNF213, ZNF214, ZNF215, ZNF217, ZNF219, ZNF22, ZNF22-AS1, ZNF221, ZNF222, ZNF223, ZNF224, ZNF225, ZNF226, ZNF227, ZNF229, ZNF23, ZNF230, ZNF232, ZNF233, ZNF234, ZNF235, ZNF236, ZNF239, ZNF24, ZNF248, ZNF25, ZNF250, ZNF251, ZNF253, ZNF254, ZNF256, ZNF257, ZNF260, ZNF263, ZNF264, ZNF266, ZNF267, ZNF268, ZNF273, ZNF274, ZNF275, ZNF276, ZNF277, ZNF28, ZNF280A, ZNF280B, ZNF280C, ZNF280D, ZNF281, ZNF282, ZNF283, ZNF284, ZNF285, ZNF285CP, ZNF286A, ZNF286B, ZNF287, ZNF292, ZNF296, ZNF3, ZNF30, ZNF300, ZNF302, ZNF304, ZNF311, ZNF316, ZNF317, ZNF318, ZNF319, ZNF32, ZNF32-AS1, ZNF32-AS2, ZNF320, ZNF321P, ZNF324, ZNF324B, ZNF326, ZNF329, ZNF330, ZNF331, ZNF333, ZNF334, ZNF335, ZNF337, ZNF33A, ZNF33B, ZNF34, ZNF341, ZNF343, ZNF345, ZNF346, ZNF347, ZNF35, ZNF350, ZNF354A, ZNF354B, ZNF354C, ZNF358, ZNF362, ZNF365, ZNF366, ZNF367, ZNF37A, ZNF382, ZNF383, ZNF384, ZNF385A, ZNF385B, ZNF385C, ZNF385D, ZNF391, ZNF394, ZNF395, ZNF396, ZNF397, ZNF398, ZNF404, ZNF407, ZNF408, ZNF41, ZNF410, ZNF414, ZNF415, ZNF416, ZNF417, ZNF418, ZNF419, ZNF420, ZNF423, ZNF425, ZNF426, ZNF428, ZNF429, ZNF43, ZNF430, ZNF431, ZNF432, ZNF433, ZNF436, ZNF438, ZNF439, ZNF44, ZNF440, ZNF441, ZNF442, ZNF443, ZNF444, ZNF445, ZNF446, ZNF449, ZNF45, ZNF451, ZNF454, ZNF460, ZNF461, ZNF462, ZNF467, ZNF468, ZNF469, ZNF470, ZNF471, ZNF473, ZNF474, ZNF479, ZNF48, ZNF480, ZNF483, ZNF484, ZNF485, ZNF486, ZNF487, ZNF488, ZNF490, ZNF491, ZNF492, ZNF493, ZNF496, ZNF497, ZNF500, ZNF501, ZNF502, ZNF503, ZNF506, ZNF507, ZNF510, ZNF511, ZNF512, ZNF512B, ZNF513, ZNF514, ZNF516, ZNF516-DT, ZNF517, ZNF518A, ZNF518B, ZNF519, ZNF521, ZNF524, ZNF525, ZNF526, ZNF527, ZNF528, ZNF529, ZNF530, ZNF532, ZNF534, ZNF536, ZNF540, ZNF541, ZNF543, ZNF544, ZNF546, ZNF547, ZNF548, ZNF549, ZNF550, ZNF551, ZNF552, ZNF554, ZNF555, ZNF556, ZNF557, ZNF558, ZNF559, ZNF559-ZNF177, ZNF560, ZNF561, ZNF562, ZNF563, ZNF564, ZNF565, ZNF566, ZNF567, ZNF568, ZNF569, ZNF57, ZNF570, ZNF571, ZNF572, ZNF573, ZNF574, ZNF575, ZNF576, ZNF577, ZNF578, ZNF579, ZNF580, ZNF581, ZNF582, ZNF583, ZNF584, ZNF585A, ZNF585B, ZNF586, ZNF587, ZNF587B, ZNF589, ZNF592, ZNF593, ZNF594, ZNF595, ZNF596, ZNF597, ZNF598, ZNF599, ZNF600, ZNF606, ZNF607,

ZNF608, ZNF609, ZNF610, ZNF611, ZNF613, ZNF614, ZNF615, ZNF616, ZNF618, ZNF619, ZNF620, ZNF621, ZNF622, ZNF623, ZNF624, ZNF625, ZNF626, ZNF627, ZNF628, ZNF629, ZNF630, ZNF638, ZNF639, ZNF641, ZNF644, ZNF646, ZNF648, ZNF649, ZNF652, ZNF653, ZNF654, ZNF655, ZNF658, ZNF660, ZNF662, ZNF664, ZNF665, ZNF667, ZNF668, ZNF669, ZNF670, ZNF671, ZNF672, ZNF674, ZNF675, ZNF676, ZNF677, ZNF678, ZNF679, ZNF680, ZNF681, ZNF682, ZNF683, ZNF684, ZNF687, ZNF688, ZNF689, ZNF69, ZNF691, ZNF692, ZNF695, ZNF696, ZNF697, ZNF699, ZNF7, ZNF70, ZNF700, ZNF701, ZNF703, ZNF704, ZNF705A, ZNF705EP, ZNF705G, ZNF706, ZNF707, ZNF708, ZNF709, ZNF71, ZNF710, ZNF711, ZNF713, ZNF714, ZNF716, ZNF718, ZNF721, ZNF726, ZNF727, ZNF728, ZNF729, ZNF730, ZNF732, ZNF735, ZNF736, ZNF737, ZNF74, ZNF740, ZNF746, ZNF747, ZNF749, ZNF750, ZNF75A, ZNF75D, ZNF76, ZNF761, ZNF763, ZNF764, ZNF765, ZNF766, ZNF768, ZNF77, ZNF770, ZNF771, ZNF772, ZNF773, ZNF774, ZNF775, ZNF776, ZNF777, ZNF778, ZNF780A, ZNF780B, ZNF781, ZNF782, ZNF783, ZNF784, ZNF785, ZNF786, ZNF787, ZNF788P, ZNF789, ZNF79, ZNF790, ZNF790-AS1, ZNF791, ZNF792, ZNF793, ZNF799, ZNF8, ZNF80, ZNF800, ZNF804A, ZNF804B, ZNF805, ZNF808, ZNF81, ZNF813, ZNF814, ZNF816, ZNF816-ZNF321P, ZNF821, ZNF823, ZNF827, ZNF829, ZNF83, ZNF830, ZNF831, ZNF835, ZNF836, ZNF837, ZNF839, ZNF841, ZNF843, ZNF844, ZNF845, ZNF846, ZNF85, ZNF850, ZNF852, ZNF853, ZNF860, ZNF862, ZNF865, ZNF875, ZNF878, ZNF879, ZNF880, ZNF883, ZNF888, ZNF891, ZNF90, ZNF91, ZNF92, ZNF93, ZNF98, ZNF99, ZNFX1, ZNG1A, ZNG1B, ZNG1F, ZNHIT1, ZNHIT2, ZNHIT3, ZNHIT6, ZNRD2, ZNRF1, ZNRF2, ZNRF3, ZNRF4, ZP1, ZP2, ZP3, ZP4, ZPBP, ZPBP2, ZPLD1, ZPR1, ZRANB1, ZRANB2, ZRANB2-AS1, ZRANB3, ZRSR2, ZSCAN1, ZSCAN10, ZSCAN12, ZSCAN16, ZSCAN16-AS1, ZSCAN18, ZSCAN2, ZSCAN20, ZSCAN21, ZSCAN22, ZSCAN23, ZSCAN25, ZSCAN26, ZSCAN29, ZSCAN30, ZSCAN31, ZSCAN32, ZSCAN4, ZSCAN5A, ZSCAN5B, ZSCAN9, ZSWIM1, ZSWIM2, ZSWIM3, ZSWIM4, ZSWIM5, ZSWIM6, ZSWIM7, ZSWIM8, ZSWIM8-AS1, ZSWIM9, ZUP1, ZW10, ZWILCH, ZWINT, ZXDA, ZXDB, ZXDC, ZYG11A, ZYG11B, ZYX, ZZEF1, ZZZ3