



ALDOB, ALDOC, ALG1, ALG10, ALG10B, ALG11, ALG12, ALG13, ALG14, ALG1L, ALG1L2, ALG2, ALG3, ALG5, ALG6, ALG8, ALG9, ALK, ALKAL1, ALKAL2, ALKBH1, ALKBH2, ALKBH3, ALKBH4, ALKBH5, ALKBH6, ALKBH7, ALKBH8, ALLC, ALMS1, ALOX12, ALOX12B, ALOX15, ALOX15B, ALOX5, ALOX5AP, ALOXE3, ALPG, ALPI, ALPK1, ALPK2, ALPK3, ALPL, ALPP, ALS2, ALS2CL, ALS2CR12, 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, AMY1A, AMY1B, AMY1C, AMY2A, AMY2B, AMZ1, AMZ2, ANAPC1, ANAPC10, ANAPC11, ANAPC13, ANAPC15, ANAPC16, 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, ANKRD13D, ANKRD16, ANKRD17, ANKRD18A, ANKRD18B, ANKRD2, ANKRD20A1, ANKRD20A2, ANKRD20A3, ANKRD20A4, ANKRD22, ANKRD23, ANKRD24, ANKRD26, ANKRD27, ANKRD28, ANKRD29, ANKRD30A, ANKRD30B, ANKRD30BL, ANKRD31, ANKRD33, ANKRD33B, ANKRD34A, ANKRD34B, ANKRD34C, ANKRD35, ANKRD36, ANKRD36B, ANKRD36C, ANKRD37, ANKRD39, ANKRD40, ANKRD40CL, 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, ANP32C, ANP32D, ANP32E, ANPEP, ANTXR1, ANTXR2, ANTXRL, ANXA1, ANXA10, ANXA11, ANXA13, ANXA2, ANXA2R, ANXA3, ANXA4, ANXA5, ANXA6, ANXA7, ANXA8, ANXA8L1, ANXA9, AOA, AOC1, AOC2, AOC3, AOX1, AP1AR, AP1B1, AP1G1, AP1G2, AP1M1, AP1M2, AP1S1, AP1S2, AP1S3, AP2A1, AP2A2, AP2B1, AP2M1, AP2S1, AP3B1, AP3B2, AP3D1, AP3M1, AP3M2, AP3S1, AP3S2, AP4B1, 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, APOA2, APOA4, APOA5, APOB, APOBEC1, APOBEC2, APOBEC3A, APOBEC3B, APOBEC3C, APOBEC3D, APOBEC3F, APOBEC3G, APOBEC3H, APOBEC4, APOBR, APOC1, APOC2, APOC3, APOC4, APOD, APOE, APOF, APOH, APOL1, APOL2, APOL3, APOL4, APOL5, APOL6, APOLD1, APOM, APOO, APOOL, APOPT1, APP, APPBP2, APPL1, APPL2, APRT, APTX, AQP1, AQP10, AQP11, AQP12A, AQP12B, AQP2, AQP3, AQP4, AQP5, AQP6, AQP7, AQP8, AQP9, AQR, AR, ARAF, ARAP1, ARAP2, ARAP3, 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, 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, ARHGEF35, ARHGEF37, ARHGEF38, ARHGEF39, ARHGEF4, ARHGEF40, ARHGEF5, ARHGEF6, ARHGEF7, ARHGEF9, ARID1A, ARID1B, ARID2, ARID3A, ARID3B, ARID3C, ARID4A, ARID4B, ARID5A, ARID5B, ARIH1, ARIH2, ARIH2OS, ARL1, ARL10, ARL11, ARL13A, ARL13B, ARL14, ARL14EP, ARL14EPL, ARL15, ARL16, ARL17A, ARL17B, ARL2, ARL2BP, ARL3, ARL4A, ARL4C, ARL4D, ARL5A, ARL5B, ARL5C, ARL6, ARL6IP1, ARL6IP4, ARL6IP5, ARL6IP6, ARL8A, ARL8B, ARL9, ARMC1, ARMC10, ARMC12, ARMC2, ARMC3, ARMC4, ARMC5, ARMC6, ARMC7, ARMC8, ARMC9, ARMCX1, ARMCX2, ARMCX3, ARMCX4, ARMCX5, ARMCX6, ARMH1, ARMH2, ARMH3, ARMH4, ARMS2, ARMT1, ARNT, ARNT2, ARNTL, ARNTL2, ARPC1A, ARPC1B, ARPC2, ARPC3, ARPC4, ARPC4-TTLL3, ARPC5, ARPC5L, ARPIN, ARPP19, ARPP21, ARR3, ARRB1, ARRB2, ARRDC1, ARRDC2, ARRDC3, ARRDC4, ARRDC5, ARSA, ARSB, ARSD, ARSE, ARSF, ARSG, ARSH, ARSI, ARSJ, ARSK, ART1, ART3, ART4, ART5, ARTN, ARV1, ARVCF, ARX, AS3MT, ASAH1, ASAH2, ASAH2B,

ASAP1, ASAP2, ASAP3, ASB1, ASB10, ASB11, ASB12, ASB13, ASB14, ASB15, ASB16, ASB17, ASB18, ASB2, ASB3, ASB4, ASB5, ASB6, ASB7, ASB8, ASB9, ASCC1, ASCC2, ASCC3, ASCL1, ASCL2, ASCL3, ASCL4, ASCL5, ASDURF, ASF1A, ASF1B, ASGR1, ASGR2, ASH1L, ASH2L, ASIC1, ASIC2, ASIC3, ASIC4, ASIC5, ASIP, ASL, ASMT, ASMTL, ASNA1, 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, 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, ATOX1, ATP10A, ATP10B, ATP10D, ATP11A, ATP11AUN, ATP11B, ATP11C, ATP12A, ATP13A1, ATP13A2, ATP13A3, ATP13A4, ATP13A5, ATP1A1, ATP1A2, ATP1A3, ATP1A4, ATP1B1, ATP1B2, ATP1B3, ATP1B4, ATP23, ATP2A1, ATP2A2, ATP2A3, ATP2B1, ATP2B2, ATP2B3, ATP2B4, ATP2C1, ATP2C2, ATP4A, ATP4B, ATP5F1A, ATP5F1B, ATP5F1C, ATP5F1D, ATP5F1E, ATP5IF1, ATP5MC1, ATP5MC2, ATP5MC3, ATP5MD, ATP5ME, ATP5MF, ATP5MF-PTCD1, ATP5MG, ATP5MGL, ATP5MPL, ATP5PB, ATP5PD, ATP5PF, ATP5PO, ATP5S, ATP6AP1, ATP6AP1L, ATP6AP2, ATP6V0A1, ATP6V0A2, ATP6V0A4, ATP6V0B, ATP6V0C, ATP6V0D1, ATP6V0D2, ATP6V0E1, ATP6V0E2, ATP6V1A, ATP6V1B1, ATP6V1B2, ATP6V1C1, ATP6V1C2, ATP6V1D, ATP6V1E1, ATP6V1E2, ATP6V1F, ATP6V1G1, ATP6V1G2, ATP6V1G3, ATP6V1H, ATP7A, ATP7B, ATP8A1, ATP8A2, ATP8B1, ATP8B2, ATP8B3, ATP8B4, ATP9A, ATP9B, ATPAF1, ATPAF2, ATR, ATRAID, ATRIP, ATRN, ATRNL1, ATRX, ATXN1, ATXN10, ATXN1L, ATXN2, ATXN2L, ATXN3, ATXN3L, ATXN7, ATXN7L1, ATXN7L2, ATXN7L3, ATXN7L3B, 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, B4GALT2, B4GALT3, B4GALT4, B4GALT5, B4GALT6, B4GALT7, B4GAT1, B9D1, B9D2, BAALC, BAAT, BABAM1, BABAM2, BACE1, 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, 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, BCHE, BCKDHA, BCKDHB, BCKDK, BCL10, BCL11A, BCL11B, BCL2, BCL2A1, BCL2L1, BCL2L10, BCL2L11, BCL2L12, BCL2L13, BCL2L14, BCL2L15, BCL2L2, BCL3, BCL6, BCL6B, BCL7A, BCL7B, BCL7C, BCL9, BCL9L, BCLAF1, BCLAF3, BCO1, BCO2, BCOR, BCORL1, BCR, BCS1L, BDH1, BDH2, BDKRB1, BDKRB2, BDNF, BDP1, BEAN1, 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, BHLHB9, BHLHE22, BHLHE23, BHLHE40, BHLHE41, BHMGI, BHMT, BHMT2, BICC1, BICD1, BICD2, BICDL1, BICDL2, BICRA, BICRAL, BID, BIK, BIN1, BIN2, BIN3, BIRC2, BIRC3, BIRC5, BIRC6, BIRC7, BIRC8, BIVM, BIVM-ERCC5, BLCAP, BLID, BLK, BLM, BLMH, BLNK, BLOC1S1, BLOC1S2, BLOC1S3, BLOC1S4, BLOC1S5, BLOC1S6, BLVRA, BLVRB, BLZF1, BMF, BMI1, BMP1, BMP10, BMP15, BMP2, BMP2K, BMP3, BMP4, BMP5, BMP6, BMP7, BMP8A, BMP8B, BMPER, BMPR1A, BMPR1B, BMPR2, BMS1, BMT2, BMX, BNC1, BNC2, BNIP1, BNIP2, BNIP3, BNIP3L, BNIPL, BOC, BOD1, BOD1L1, BOD1L2, BOK, BOLA1, BOLA2, BOLA2B, BOLA2-SMG1P6, BOLA3, BOLL, BOP1, BORA, BORCS5, BORCS6, BORCS7, BORCS8, BORCS8-MEF2B, BPGM, BPHL, BPI, BPIFA1, BPIFA2, BPIFA3, BPIFB1, BPIFB2, BPIFB3, BPIFB4, BPIFB6, BPIFC, BPNT1, BPTF, BPY2, BPY2B, BPY2C, BRAF, BRAP, BRAT1, BRCA1, BRCA2, BRCC3, BRD1, BRD2, BRD3, BRD3OS, BRD4, BRD7, BRD8, BRD9, BRDT, BRF1, BRF2, BRI3, BRI3BP, BRICD5, BRINP1, BRINP2, BRINP3, BRIP1, BRIX1, BRK1, BRMS1, BRMS1L, BROX, BRPF1, BRPF3, BRS3, BRSK1, BRSK2, BRWD1, BRWD3, BSCL2, BSDC1, BSG, BSN, BSND, BSPH1, BSPRY, BST1, BST2, BSX, BTAF1, BTBD1, BTBD10, BTBD11, 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, BTNL10, BTNL2, BTNL3, BTNL8, BTNL9, BTRC, BUB1, BUB1B, BUB3, BUD13, BUD23, BUD31, BVES, BYSL, BZW1,

BZW2, C10orf105, C10orf111, C10orf120, C10orf126, C10orf142, C10orf143, C10orf25, C10orf53, C10orf55, C10orf62, C10orf67, C10orf71, C10orf82, C10orf88, C10orf90, C10orf91, C10orf95, C10orf99, C11orf1, C11orf16, C11orf21, C11orf24, C11orf42, C11orf44, C11orf45, C11orf49, C11orf52, C11orf53, C11orf54, C11orf58, C11orf65, C11orf68, C11orf71, C11orf74, C11orf80, C11orf86, C11orf87, C11orf88, C11orf91, C11orf94, C11orf95, C11orf96, C11orf97, C11orf98, C12orf10, C12orf29, C12orf4, C12orf40, C12orf42, C12orf43, C12orf45, C12orf49, C12orf50, C12orf54, C12orf56, C12orf57, C12orf60, C12orf65, C12orf66, C12orf71, C12orf73, C12orf74, C12orf75, C12orf76, C12orf77, C12orf80, C13orf42, C14orf119, C14orf132, C14orf177, C14orf178, C14orf180, C14orf28, C14orf39, C14orf93, C15orf32, C15orf39, C15orf40, C15orf41, C15orf48, C15orf53, C15orf54, C15orf56, C15orf61, C15orf62, C15orf65, C16orf45, C16orf46, C16orf54, C16orf58, C16orf70, C16orf71, C16orf72, C16orf74, C16orf78, C16orf82, C16orf86, C16orf87, C16orf89, C16orf90, C16orf91, C16orf92, C16orf95, C16orf96, C16orf97, C17orf100, C17orf102, C17orf107, C17orf112, C17orf113, C17orf49, C17orf50, C17orf51, C17orf53, C17orf58, C17orf64, C17orf67, C17orf75, C17orf77, C17orf78, C17orf80, C17orf82, C17orf97, C17orf98, C17orf99, C18orf12, C18orf21, C18orf25, C18orf32, C18orf54, C18orf63, C18orf65, C19orf12, C19orf18, C19orf24, C19orf25, C19orf33, C19orf38, C19orf44, C19orf47, C19orf48, C19orf53, C19orf54, C19orf57, C19orf66, C19orf67, C19orf70, C19orf71, C19orf73, C19orf81, C19orf84, C1D, C1GALT1, C1GALT1C1, C1GALT1C1L, C1orf100, C1orf105, C1orf109, C1orf112, C1orf115, C1orf116, C1orf122, C1orf123, C1orf127, C1orf131, C1orf137, C1orf141, C1orf146, C1orf158, C1orf159, C1orf162, C1orf167, C1orf174, C1orf185, C1orf189, C1orf194, C1orf195, C1orf198, C1orf21, C1orf210, C1orf216, C1orf226, C1orf229, C1orf35, C1orf43, C1orf50, C1orf52, C1orf53, C1orf54, C1orf56, C1orf61, C1orf68, C1orf74, C1orf87, C1orf94, C1QA, C1QB, C1QBP, C1QC, C1QL1, C1QL2, C1QL3, C1QL4, C1QTNF1, C1QTNF12, C1QTNF2, C1QTNF3, C1QTNF4, C1QTNF5, C1QTNF6, C1QTNF7, C1QTNF8, C1QTNF9, C1QTNF9B, C1R, C1RL, C1S, C2, C20orf141, C20orf144, C20orf173, C20orf194, C20orf197, C20orf202, C20orf203, C20orf204, C20orf27, C20orf78, C20orf85, C20orf96, C21orf58, C21orf62, C21orf91, C22orf15, C22orf23, C22orf24, C22orf31, C22orf34, C22orf39, C22orf42, C22orf46, C2CD2, C2CD2L, C2CD3, C2CD4A, C2CD4B, C2CD4C, C2CD4D, C2CD5, C2CD6, C2orf15, C2orf16, C2orf27A, C2orf27B, C2orf40, C2orf42, C2orf49, C2orf50, C2orf66, C2orf68, C2orf69, C2orf70, C2orf72, C2orf73, C2orf74, C2orf76, C2orf78, C2orf80, C2orf81, C2orf83, C2orf88, C2orf91, C2orf92, C3, C3AR1, C3orf14, C3orf18, C3orf20, C3orf22, C3orf30, C3orf33, C3orf35, C3orf36, C3orf38, C3orf49, C3orf52, C3orf56, C3orf58, C3orf62, C3orf67, C3orf70, C3orf79, C3orf80, C3orf84, C3orf85, C3orf86, C4A, C4B, C4BPA, C4BPB, C4orf17, C4orf19, C4orf3, C4orf33, C4orf36, C4orf45, C4orf46, C4orf47, C4orf48, C4orf50, C4orf51, C4orf54, C5, C5AR1, C5AR2, C5orf15, C5orf22, C5orf24, C5orf30, C5orf34, C5orf38, C5orf46, C5orf47, C5orf49, C5orf51, C5orf52, C5orf56, C5orf58, C5orf60, C5orf63, C5orf64, C5orf66, C5orf67, C6, C6orf10, C6orf106, C6orf118, C6orf120, C6orf132, C6orf136, C6orf141, C6orf15, C6orf163, C6orf201, C6orf203, C6orf222, C6orf223, C6orf226, C6orf47, C6orf48, C6orf52, C6orf58, C6orf62, C6orf89, C6orf99, C7, C7orf25, C7orf26, C7orf31, C7orf33, C7orf43, C7orf50, C7orf55-LUC7L2, C7orf57, C7orf61, C7orf65, C7orf66, C7orf69, C7orf71, C7orf77, C8A, C8B, C8G, C8orf31, C8orf33, C8orf34, C8orf37, C8orf44, C8orf48, C8orf49, C8orf58, C8orf59, C8orf74, C8orf76, C8orf82, C8orf86, C8orf87, C8orf88, C8orf89, C9, C9orf106, C9orf116, C9orf129, C9orf131, C9orf135, C9orf139, C9orf147, C9orf152, C9orf153, C9orf16, C9orf163, C9orf170, C9orf24, C9orf3, C9orf40, C9orf43, C9orf47, C9orf50, C9orf57, C9orf62, C9orf64, C9orf66, C9orf72, C9orf78, C9orf84, C9orf85, C9orf92, CA1, CA10, CA11, CA12, CA13, CA14, CA2, CA3, 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, CACNA1D, CACNA1E, CACNA1F, CACNA1G, CACNA1H, CACNA1I, CACNA1S, CACNA2D1, CACNA2D2, CACNA2D3, CACNA2D4, CACNB1, CACNB2, CACNB3, CACNB4, CACNG1, CACNG2, CACNG3, CACNG4, CACNG5, CACNG6, CACNG7, CACNG8, CACTIN, 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, CARD17, CARD18, CARD19, CARD6, CARD8, CARD9, CARF, CARHSP1, CARM1, CARMIL1, CARMIL2, CARMIL3, CARNMT1, CARNS1, CARS, CARS2, CARTPT, CASC1, CASC10, CASC3, CASC4, CASD1, CASK, CASKIN1, CASKIN2, CASP1, CASP10, CASP12, CASP14, CASP2, CASP3, CASP4, CASP5, CASP6, CASP7, CASP8, CASP8AP2, CASP9, CASQ1, CASQ2, CASR, CASS4, CAST, CASTOR1, CASTOR2, CASTOR3, CASZ1, CAT, CATIP, CATSPER1, CATSPER2, CATSPER3, CATSPER4, CATSPERB, CATSPERD, CATSPERE, CATSPERG, CATSPERZ, CAV1, CAV2, CAV3, CAVIN1, CAVIN2, CAVIN3, CAVIN4, CBARP, CBFA2T2, CBFA2T3, CBFB, CBL, CBLB, CBLC, CBLL1, CBLL2, CBLN1, CBLN2, CBLN3, CBLN4, CBR1, CBR3, CBR4, CBS, CBSL, CBWD1, CBWD2, CBWD3, CBWD5, CBWD6, CBX1, CBX2, CBX3, CBX4, CBX5, CBX6, CBX7, CBX8, CBY1, CBY3, CC2D1A, CC2D1B, CC2D2A, CC2D2B, CCAR1, CCAR2, CCBE1, CCDC102A, CCDC102B, CCDC103, CCDC105, CCDC106, CCDC107, CCDC110, CCDC112, CCDC113, CCDC114, CCDC115, CCDC116, CCDC117, CCDC12, CCDC120, CCDC121, CCDC122, CCDC124, CCDC125, CCDC126, CCDC127, CCDC13, CCDC130, CCDC134, CCDC136, CCDC137, CCDC138, CCDC14, CCDC140, CCDC141, CCDC142, CCDC144A, CCDC144NL, CCDC146, CCDC148, CCDC149, CCDC15, CCDC150, CCDC151, CCDC152, CCDC153, CCDC154, CCDC155, CCDC157, CCDC158, CCDC159, CCDC160, CCDC163, CCDC166, CCDC167, CCDC168, CCDC169, CCDC17, CCDC170, CCDC171, CCDC172, CCDC173, CCDC174, CCDC175, CCDC177, CCDC178, CCDC179, CCDC18, CCDC180, CCDC181, CCDC182, CCDC183, CCDC184, CCDC185, CCDC186, CCDC187, CCDC188, CCDC189, CCDC190, CCDC191, CCDC192, CCDC196, CCDC197, CCDC198, CCDC22, CCDC24, CCDC25, CCDC27, CCDC28A, CCDC28B, CCDC3, CCDC30, CCDC32, CCDC33, CCDC34, CCDC36, CCDC38, CCDC39, CCDC40, CCDC42, CCDC43, CCDC47, CCDC50, CCDC51, CCDC54, CCDC57, CCDC58, CCDC59, CCDC6, CCDC60, CCDC61, CCDC62, CCDC63, CCDC65, CCDC66, CCDC68, CCDC69, CCDC7, CCDC70, CCDC71, CCDC71L, CCDC73, CCDC74A, CCDC74B, CCDC77, CCDC78, CCDC8, CCDC80, CCDC81, CCDC82, CCDC83, CCDC84, CCDC85A, CCDC85B, CCDC85C, CCDC86, CCDC87, CCDC88A, CCDC88B, CCDC88C, CCDC89, CCDC9, CCDC90B, CCDC91, CCDC92, CCDC92B, CCDC93, CCDC96, CCDC97, CCDC9B, CCER1, CCER2, CCHCR1, CCIN, CCK, CCKAR, CCKBR, CCL1, CCL11, CCL13, CCL14, CCL15, CCL16, CCL17, CCL18, CCL19, CCL2, CCL20, CCL21, CCL22, CCL23, CCL24, CCL25, CCL26, CCL27, CCL28, CCL3, CCL3L3, CCL4, CCL4L2, CCL5, CCL7, CCL8, CCM2, CCM2L, CCNA1, CCNA2, CCNB1, CCNB1IP1, CCNB2, CCNB3, CCNC, CCND1, CCND2, CCND3, CCNDBP1, CCNE1, CCNE2, CCNF, CCNG1, CCNG2, CCNH, CCNI, CCNI2, CCNJ, CCNJL, CCNK, CCNL1, CCNL2, CCNO, 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, CD24, CD244, CD247, CD248, CD27, CD274, CD276, CD28, CD2AP, CD2BP2, CD300A, CD300C, CD300E, CD300H, CD300LB, CD300LD, CD300LF, CD300LG, CD302, CD320, CD33, CD34, CD36, CD37, CD38, CD3D, CD3E, CD3EAP, 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, CD8B, CD8B2, CD9, CD93, CD96, CD99, CD99L2, CDA, CDADC1, CDAN1, CDC123, CDC14A, CDC14B, CDC14C, 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, CDIP1, CDIPT, CDK1, CDK10, CDK11A, CDK11B, 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, CDRT1, CDRT15, CDRT15L2, CDRT4, CDS1, CDS2, CDSN, CDT1, CDV3, CDX1, CDX2, CDX4, CDY1, CDY1B, CDY2A, CDY2B, CDYL, CDYL2, CEACAM1, CEACAM16, CEACAM18, CEACAM19, CEACAM20, CEACAM21, CEACAM3, CEACAM4, CEACAM5, CEACAM6, CEACAM7, CEACAM8, CEBPA, CEBPB, CEBPD, CEBPE, CEBPG, CEBPZ, CEBPZOS, CECR2, CEL, CELA1, CELA2A, CELA2B, CELA3A, CELA3B, CELF1, CELF2, CELF3, CELF4, CELF5, CELF6, CELSR1, CELSR2, CELSR3, CEMIP, CEMIP2, CEMP1, CEND1, CENPA, CENPB, CENPBD1, CENPC, CENPE, CENPF, CENPH, CENPI, CENPJ, CENPK, CENPL, CENPM, CENPN, CENPO, CENPP, CENPQ, CENPS, CENPS-CORT, CENPT, CENPU, CENPV, CENPVL1, CENPVL2, CENPVL3, CENPW, CENPX, CEP104, CEP112, CEP120, CEP126, CEP128, CEP131, CEP135, CEP152, CEP162, CEP164, CEP170, CEP170B, CEP19, CEP192, CEP250, CEP290, CEP295, CEP295NL, CEP350, CEP41, CEP44, CEP55, CEP57, CEP57L1, CEP63, CEP68, CEP70, CEP72, CEP76, CEP78, CEP83, CEP85, CEP85L, CEP89, CEP95, CEP97, CEPT1, CER1, CERCAM, CERK, CERKL, CERS1, CERS2, CERS3, CERS4, CERS5, CERS6, CES1, CES2, CES3, CES4A, CES5A, CETN1, CETN2, CETN3, CETP, CFAP100, CFAP126, CFAP157, CFAP161, CFAP20, CFAP206, CFAP221, CFAP298, CFAP299, CFAP300, CFAP36, CFAP410, CFAP43, CFAP44, CFAP45, CFAP46, CFAP47, CFAP52, CFAP53, CFAP54, CFAP57, CFAP58, CFAP61, CFAP65, CFAP69, CFAP70, CFAP73, CFAP74, CFAP77, CFAP97, CFAP97D1, CFAP99, CFB, CFC1, CFC1B, CFD, CFDP1, CFH, CFHR1, CFHR2, CFHR3, CFHR4, CFHR5, CFI, CFL1, CFL2, CFLAR, CFP, CFTR, CGA, CGAS, CGB1, CGB2, CGB3, CGB5, CGB7, CGB8, CGGBP1, CGN, CGNL1, CGREF1, CGRRF1, CH25H, CHAC1, CHAC2, CHAD, CHADL, CHAF1A, CHAF1B, CHAMP1, CHAT, CHCHD1, CHCHD10, CHCHD2, CHCHD3, CHCHD4, CHCHD5, CHCHD6, CHCHD7, CHD1, CHD1L, CHD2, CHD3, CHD4, CHD5, CHD6, CHD7, CHD8, CHD9, CHDH, CHEK1, CHEK2, CHERP, CHFR, CHGA, CHGB, CHI3L1, CHI3L2, CHIA, CHIC1, CHIC2, CHID1, CHIT1, CHKA, CHKB, CHL1, CHM, CHML, CHMP1A, CHMP1B, CHMP2A, CHMP2B, CHMP3, CHMP4A, CHMP4B, CHMP4C, CHMP5, CHMP6, CHMP7, CHN1, CHN2, CHODL, CHORDC1, CHP1, CHP2, CHPF, CHPF2, CHPT1, CHRAC1, CHRDL, CHRDL1, CHRDL2, CHRFBAM7A, CHRM1, CHRM2, CHRM3, CHRM4, CHRM5, CHRNA1, CHRNA10, CHRNA2, CHRNA3, CHRNA4, CHRNA5, CHRNA6, CHRNA7, CHRNA9, CHRN1B, CHRN2B, CHRN3B, CHRN4B, CHRND, CHRNE, CHRNG, CHST1, CHST10, CHST11, CHST12, CHST13, CHST14, CHST15, CHST2, CHST3, CHST4, CHST5, CHST6, CHST7, CHST8, CHST9, CHSY1, CHSY3, CHTF18, CHTF8, CHTOP, CHUK, CHURC1, CIAO1, CIAO2A, CIAO2B, CIAO3, CIAPIN1, CIART, CIB1, CIB2, CIB3, CIB4, CIC, CIDEA, CIDEB, CIDEK, CIITA, CILP, CILP2, CINP, CIP2A, CIPC, CIR1, CIRBP, CISD1, CISD2, CISD3, CISH, CIT, CITED1, CITED2, CITED4, CIZ1, CKAP2, CKAP2L, CKAP4, CKAP5, CKB, CKLF, CKM, CKMT1A, CKMT1B, CKMT2, CKS1B, CKS2, CLASP1, CLASP2, CLASRP, CLBA1, CLC, CLCA1, CLCA2, CLCA4, CLCC1, CLCF1, CLCN1, CLCN2, CLCN3, CLCN4, CLCN5, CLCN6, CLCN7, CLCNKA, CLCNKB, CLDN1, CLDN10, CLDN11, CLDN12, CLDN14, CLDN15, CLDN16, CLDN17, CLDN18, CLDN19, CLDN2, CLDN20, CLDN22, CLDN23, CLDN24, CLDN25, CLDN3, CLDN34, CLDN4, CLDN5, CLDN6, CLDN7, CLDN8, CLDN9, CLDND1, CLDND2, CLEC10A, CLEC11A, CLEC12A, CLEC12B, CLEC14A, CLEC16A, CLEC17A, CLEC18A, CLEC18B, CLEC18C, CLEC19A, CLEC1A, CLEC1B, CLEC2A, CLEC2B, CLEC2D, CLEC2L, CLEC3A, CLEC3B, CLEC4A, CLEC4C, CLEC4D, CLEC4E, CLEC4F, CLEC4G, CLEC4M, CLEC5A, CLEC6A, CLEC7A, CLEC9A, CLECL1, CLGN, CLHC1, CLIC1, CLIC2, CLIC3, CLIC4, CLIC5, CLIC6, CLINT1, CLIP1, CLIP2, CLIP3, CLIP4, CLK1, CLK2, CLK3, CLK4, CLLU10S, CLMN, CLMP, CLN3, CLN5, CLN6, CLN8, CLNK, CLNS1A, CLOCK, CLP1, CLPB, CLPP, CLPS, CLPSL1, CLPSL2, CLPTM1, CLPTM1L, CLPX, CLRN1, CLRN2, CLRN3, CLSPN, CLSTN1, CLSTN2, CLSTN3, CLTA, CLTB, CLTC, CLTCL1, CLTRN, CLU, CLUAP1, CLUH, CLUL1, CLVS1, CLVS2, CLYBL, CMA1, CMAS, CMBL, CMC1, CMC2, CMC4, CMIP, CMKLR1, CMPK1, CMPK2, CMSS1, CMTM1, CMTM2, CMTM3, CMTM4, CMTM5, CMTM6, CMTM7, CMTM8, CMTR1, CMTR2, CMYA5, CNBD1, CNBD2, CNBP, CNDP1, CNDP2, CNP1R1, CNFN, CNGA1, CNGA2, CNGA3, CNGA4, CNGB1, CNGB3, CNIH1, CNIH2, CNIH3, CNIH4, CNKSR1, CNKSR2, CNKSR3, CNMD, CNN1, CNN2, CNN3, CNNM1, CNNM2, CNNM3, CNNM4, CNOT1, CNOT10, CNOT11, CNOT2, CNOT3, CNOT4, CNOT6, CNOT6L, CNOT7, CNOT8, CNOT9, CNP, CNPPD1, CNPY1, CNPY2, CNPY3, CNPY3-GNMT, CNPY4, CNR1, CNR2, CNRIP1, CNST, CNTD1, CNTD2, CNTF, CNTFR, CNTLN, CNTN1, CNTN2, CNTN3, CNTN4, CNTN5, CNTN6, CNTNAP1, CNTNAP2, CNTNAP3, CNTNAP3B, CNTNAP4, CNTNAP5, CNTRL, CNTROB, COA1, COA3, COA4, COA5, COA6, COA7, COASY, COBL, COBLL1, COCH, COG1, COG2, COG3, COG4, COG5, COG6, COG7, COG8, COIL, COL10A1, COL11A1, COL11A2, COL12A1, COL13A1, COL14A1, COL15A1, COL16A1, COL17A1,



DACH1, DACH2, DACT1, DACT2, DACT3, DAD1, DAG1, DAGLA, DAGLB, DALRD3, DAND5, DAO, DAOA, DAP, DAP3, DAPK1, DAPK2, DAPK3, DAPL1, DAPP1, DARS, DARS2, DAW1, DAXX, DAZ1, DAZ2, DAZ3, 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, DDHD1, DDHD2, DDI1, DDI2, DDIAS, DDIT3, DDIT4, DDIT4L, DDN, DDO, DDOST, DDR1, DDR2, DDRGK1, DDT, DDTL, 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, DDX58, DDX59, DDX6, DDX60, DDX60L, DEAF1, DEC1, DECR1, DECR2, DEDD, DEDD2, DEF6, DEF8, DEFA1, DEFA1B, DEFA3, DEFA4, DEFA5, DEFA6, DEFB1, DEFB103A, DEFB103B, DEFB104A, DEFB104B, DEFB105A, DEFB105B, DEFB106A, DEFB106B, DEFB107A, DEFB107B, DEFB108B, DEFB109B, DEFB110, DEFB112, DEFB113, DEFB114, DEFB115, DEFB116, DEFB118, DEFB119, DEFB121, DEFB123, DEFB124, DEFB125, DEFB126, DEFB127, DEFB128, DEFB129, DEFB130A, DEFB131A, DEFB132, DEFB134, DEFB135, DEFB136, DEFB4A, DEFB4B, DEGS1, DEGS2, DEK, DELE1, DENND1A, DENND1B, DENND1C, DENND2A, 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, DHCR24, DHCR7, DHDDS, DHDH, DHFR, DHFR2, DHH, DHODH, DHPS, DHRS1, DHRS11, DHRS12, DHRS13, DHRS2, DHRS3, DHRS4, DHRS4L1, DHRS4L2, DHRS7, DHRS7B, DHRS7C, DHRS9, DHRSX, DHTKD1, DHX15, DHX16, DHX29, DHX30, DHX32, DHX33, DHX34, DHX35, DHX36, DHX37, DHX38, DHX40, DHX57, DHX58, DHX8, DHX9, DIABLO, DIAPH1, DIAPH2, DIAPH3, DICER1, DIDO1, DIMT1, DIO1, DIO2, DIO3, DIP2A, DIP2B, DIP2C, DIRAS1, DIRAS2, DIRAS3, DIRC1, DIRC2, DIS3, DIS3L, DIS3L2, DISC1, DISP1, DISP2, DISP3, DIXDC1, DKC1, DKK1, DKK2, DKK3, DKK4, DKKL1, DLAT, DLC1, DLD, DLEC1, DLEU7, DLG1, DLG2, DLG3, DLG4, DLG5, DLGAP1, DLGAP2, DLGAP3, DLGAP4, DLGAP5, DLK1, DLK2, DLL1, DLL3, DLL4, DLST, DLX1, DLX2, DLX3, DLX4, DLX5, DLX6, DMAC1, DMAC2, 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, DNAAF2, DNAAF3, DNAAF4, DNAAF5, DNAH1, DNAH10, DNAH11, DNAH12, DNAH14, DNAH17, DNAH2, DNAH3, DNAH5, DNAH6, DNAH7, DNAH8, DNAH9, DNAI1, DNAI2, 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, DNAJC27, DNAJC28, DNAJC3, DNAJC30, DNAJC4, DNAJC5, DNAJC5B, DNAJC5G, DNAJC6, DNAJC7, DNAJC8, DNAJC9, DNAL1, DNAL4, DNAL11, DNASE1, DNASE1L1, DNASE1L2, DNASE1L3, DNASE2, DNASE2B, DND1, DNER, DNHD1, DNLZ, DNM1, DNM1L, DNM2, DNM3, DNMBP, DNMT1, DNMT3A, DNMT3B, DNMT3L, DNPEP, DNPH1, DNTP, DNTP1, DNTP2, DOC2A, DOC2B, DOCK1, DOCK10, DOCK11, DOCK2, DOCK3, DOCK4, DOCK5, DOCK6, DOCK7, DOCK8, DOCK9, DOHH, DOK1, DOK2, DOK3, DOK4, DOK5, DOK6, DOK7, DOLK, DOLPP1, DONSON, DOP1A, DOP1B, DOT1L, DPAGT1, DPCD, DPEP1, DPEP2, DPEP2NB, 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, DPYS, DPYSL2, DPYSL3, DPYSL4, DPYSL5, DQX1, DR1, DRAM1, DRAM2, DRAP1, DRAXIN, DRC1, DRC3, DRC7, DRD1, DRD2, DRD3, DRD4, DRD5, DRG1, DRG2, DRGX, DRICH1, DROSHA, DRP2, DSC1, DSC2, DSC3, DSCAM, DSCAML1, DSCC1, DSCR4, DSE, DSEL, DSG1, DSG2, 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, DUPD1, DUS1L, DUS2, DUS3L, DUS4L, DUSP1, DUSP10, DUSP11, DUSP12, DUSP13, DUSP14, DUSP15, DUSP16, DUSP18, DUSP19, DUSP2, DUSP21, DUSP22, DUSP23, DUSP26, DUSP27, DUSP28, DUSP3, DUSP4, DUSP5, DUSP6, DUSP7, DUSP8, DUSP9, DUT, DUX4, DUXA, DUXB, DVL1, DVL2, DVL3, DXO, DYDC1, DYDC2, DYM, DYNAP, DYNC1H1, DYNC1I1, DYNC1I2, DYNC1LI1, DYNC1LI2, DYNC2H1, DYNC2LI1, DYNLL1, DYNLL2, DYNLRB1, DYNLRB2, DYNLT1, DYNLT3, 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, ECSCR, ECSIT, ECT2, ECT2L, EDA, EDA2R, EDAR, EDARADD, EDC3, EDC4, EDDM13, EDDM3A, EDDM3B, EDEM1, EDEM2, EDEM3, EDF1, EDIL3, EDN1, EDN2, EDN3, EDNRA, EDNRB, EDRF1, EEA1, EED, EEF1A1, EEF1A2, EEF1AKMT1, EEF1AKMT2, EEF1AKMT3, EEF1AKMT4, EEF1B2, EEF1D, EEF1E1, EEF1G, EEF2, EEF2K, EEF2KMT, EEFSEC, EEPD1, EFCAB1, EFCAB10, EFCAB11, EFCAB12, EFCAB13, EFCAB14, EFCAB2, EFCAB3, EFCAB5, EFCAB6, EFCAB7, EFCAB8, EFCAB9, EFCC1, EFEMP1, EFEMP2, EFHB, EFHC1, EFHC2, EFHD1, EFHD2, EFL1, EFNA1, EFNA2, EFNA3, EFNA4, EFNA5, EFNB1, EFNB2, EFNB3, 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, EIF2S3B, EIF3A, EIF3B, EIF3C, EIF3CL, 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, EIF5A1L, EIF5B, EIF6, EIPR1, ELAC1, ELAC2, ELANE, ELAVL1, ELAVL2, ELAVL3, ELAVL4, ELF1, ELF2, ELF3, ELF4, ELF5, ELFN1, ELFN2, ELK1, ELK3, ELK4, ELL, ELL2, ELL3, ELMO1, ELMO2, ELMO3, ELMOD1, ELMOD2, ELMOD3, ELMSAN1, ELN, ELOA, ELOA2, ELOA3, ELOA3B, ELOA3C, ELOA3D, ELOB, ELOC, ELOF1, ELOVL1, ELOVL2, ELOVL3, ELOVL4, ELOVL5, ELOVL6, ELOVL7, ELP1, ELP2, ELP3, ELP4, ELP5, ELP6, ELSBP1, EMB, EMC1, EMC10, EMC2, EMC3, EMC4, EMC6, EMC7, EMC8, EMC9, EMCN, EMD, EME1, EME2, EMG1, EMID1, EMILIN1, EMILIN2, EMILIN3, EML1, EML2, 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, ENY2, EOGT, EOMES, EP300, EP400, EPAS1, EPB41, EPB41L1, EPB41L2, EPB41L3, EPB41L4A, EPB41L4B, EPB41L5, EPB42, EPC1, EPC2, EPCAM, 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, EPPK1, EPRS, 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, ERFE, ERG, ERG28, ERGIC1, ERGIC2, ERGIC3, ERH, ERI1, ERI2, ERI3, ERICH1, ERICH2, ERICH3, ERICH4, ERICH5, ERICH6, ERICH6B, ERLEC1, ERLIN1, ERLIN2, ERMAP, ERMARD, ERMN, ERMP1, ERN1, ERN2, ERO1A, ERO1B, ERP27, ERP29, ERP44, ERRF1, ERV3-1, ERVFRD-1, ERVH48-1, ERVMER34-1, ERVV-1, ERVV-2, ERVW-1, ESAM, ESCO1, ESCO2, ESD, ESF1, ESM1, ESPL1, ESPN, ESPNL, ESR1, ESR2, ESRP1, ESRP2, ESRRA, ESRRB, ESRRG, ESS2, ESX1, ESYT1, ESYT2, ESYT3, ETAA1, ETDA, ETDB, ETDC, 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, EXOC1L, 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, EZR, F10, F11, F11R, F12, F13A1, F13B, F2, F2R, F2RL1, F2RL2, F2RL3, F3, F5, F7, F8, F8A1, 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, FAIM, FAIM2, FAM102A, FAM102B, FAM104A, FAM104B, FAM106A, FAM106B, FAM106CP, FAM107A, FAM107B, FAM110A, FAM110B, FAM110C, FAM110D, FAM111A, FAM111B, FAM114A1, FAM114A2, FAM117A, FAM117B, FAM118A, FAM118B, FAM120A, FAM120AOS, FAM120B, FAM120C, FAM122A, FAM122B, FAM122C, FAM124A, FAM124B, FAM126A, FAM126B, FAM129A, FAM129B, FAM129C, FAM131A, FAM131B, FAM131C, FAM133A, FAM133B, FAM135A, FAM135B, FAM136A, FAM13A, FAM13B, FAM13C, FAM149A, FAM149B1, FAM151A, FAM151B, FAM153A, FAM153B, FAM153C, FAM155A, FAM155B, FAM156A, FAM156B, FAM157A, FAM157B, FAM160A1, FAM160A2, FAM160B1, FAM160B2, FAM161A, FAM161B, FAM162A, FAM162B, FAM163A, FAM163B, FAM166A, FAM166B, FAM167A, FAM167B, FAM168A, FAM168B, FAM169A, FAM169B, FAM170A, FAM170B, FAM171A1, FAM171A2, FAM171B, FAM172A, FAM173A, FAM173B, FAM174A, FAM174B, FAM177A1, FAM177B, FAM178B, FAM180A, FAM180B, FAM181A, FAM181B, FAM183A, FAM184A, FAM184B, FAM185A, FAM186A, FAM186B, FAM187A, FAM187B, FAM189A1, FAM189A2, FAM189B, FAM192A, FAM193A, FAM193B, FAM198A, FAM198B, FAM199X, FAM19A1, FAM19A2, FAM19A3, FAM19A4, FAM19A5, FAM200A, FAM200B, FAM204A, FAM205A, FAM205C, FAM206A, FAM207A, FAM208A, FAM208B, FAM209A, FAM209B, FAM20A, FAM20B, FAM20C, FAM210A, FAM210B, FAM213A, FAM213B, FAM214A, FAM214B, FAM216A, FAM216B, FAM217A, FAM217B, FAM218A, FAM219A, FAM219B, FAM220A, FAM221A, FAM221B, FAM222A, FAM222B, FAM227A, FAM227B, FAM228A, FAM228B, FAM229A, FAM229B, FAM234A, FAM234B, FAM236A, FAM236B, FAM236C, FAM236D, FAM240A, FAM241A, FAM241B, FAM243A, FAM243B, FAM24A, FAM24B, FAM25A, FAM25C, FAM25E, FAM25G, FAM32A, FAM3A, FAM3B, FAM3C, FAM3D, FAM43A, FAM43B, FAM45A, FAM47A, FAM47B, FAM47C, FAM47E, FAM47E-STBD1, FAM49A, FAM49B, FAM50A, FAM50B, FAM53A, FAM53B, FAM53C, FAM57A, FAM57B, FAM69A, FAM69B, FAM69C, FAM71A, FAM71B, FAM71C, FAM71D, FAM71E1, FAM71E2, FAM71F1, FAM71F2, FAM72A, FAM72B, FAM72C, FAM72D, FAM76A, FAM76B, FAM78A, FAM78B, FAM81A, FAM81B, FAM83A, FAM83B, FAM83C, FAM83D, FAM83E, FAM83F, FAM83G, FAM83H, FAM84A, FAM84B, FAM86B1, FAM86B2, FAM86C1, FAM89A, FAM89B, FAM8A1, FAM90A1, FAM90A26, FAM91A1, FAM92A, FAM92B, 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, FBXL21, FBXL22, FBXL3, FBXL4, FBXL5, FBXL6, FBXL7, FBXL8, 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, FBXW10, FBXW11, FBXW12, FBXW2, FBXW4, FBXW5, FBXW7, FBXW8, FBXW9, FCAMR, FCAR, FCER1A, FCER1G, FCER2, FCF1, FCGBP, FCGR1A, FCGR1B, FCGR2A, FCGR2B, FCGR2C, FCGR3A, FCGR3B, FCGRT, FCHO1, FCHO2, FCHSD1, FCHSD2, FCMR, FCN1, FCN2, FCN3, FCRL1, FCRL2, FCRL3, FCRL4, FCRL5, FCRL6, FCRLA, FCRLB, FDCSP, FDFT1, FDPS, FDX1, FDX2, FDXACB1, FDXR, FECH, FEM1A, FEM1B, FEM1C, FEN1, FER, FER1L5, FER1L6, FERD3L, FERMT1, FERMT2, FERMT3, FES, FETUB, FEV, FEZ1, FEZ2, FEZF1, 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, FGFR1, FGFR1OP, FGFR1OP2, FGFR2, FGFR3, FGFR4, FGFRL1, FGG, FGGY, FGL1, FGL2, FGR, FH, FHAD1, FHDC1, FHIT, FHL1, FHL2, FHL3, FHL5, FHOD1, FHOD3, FIBCD1, FIBIN, FIBP, FICD, FIG4, FIGLA, FIGN, FIGNL1, FIGNL2, FILIP1, FILIP1L, FIP1L1, FIS1, FITM1, FITM2, FIZ1, FJX1, FKBP10, FKBP11, FKBP14, FKBP15, FKBP1A, FKBP1B, FKBP2, FKBP3, FKBP4, FKBP5, FKBP6, FKBP7, FKBP8, FKBP9, FKBP, FKRP, FKTN, FLAD1, FLCN, FLG, FLG2, FLI1, FLII, FLJ44635, FLJ45513, FLNA, FLNB, FLNC, FLOT1, FLOT2, FLRT1, FLRT2, FLRT3, FLT1, FLT3, FLT3LG, FLT4, FLVCR1, FLVCR2, FLYWCH1, FLYWCH2, 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, FOPNL, FOS, FOSB, FOSL1, FOSL2, FOXA1, FOXA2, FOXA3, FOXB1, FOXB2, FOXC1, FOXC2, FOXD1, FOXD2, FOXD3, FOXD4, FOXD4L1, FOXD4L3, FOXD4L4, FOXD4L5, FOXD4L6, 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, FRG1, FRG2, FRG2B, FRG2C, FRK, FRMD1, FRMD3, FRMD4A, FRMD4B, FRMD5, FRMD6, FRMD7, FRMD8, FRMPD1, FRMPD2, FRMPD3, FRMPD4, FRRS1, FRRS1L, FRS2, FRS3, FRY, FRYL, FRZB, FSBP, FSCB, FSCN1, FSCN2, FSCN3, FSD1, FSD1L, FSD2, FSHB, FSHR, FSIP1, FSIP2, FST, FSTL1, FSTL3, FSTL4, FSTL5, FTCD, FTCD-AS1, FTCDNL1, FTH1, FTH1P18, FTHL17, FTL, FTMT, FTO, FTSJ1, FTSJ3, FUBP1, FUBP3, FUCA1, FUCA2, FUK, 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, FXYD7, FYB1, FYB2, FYCO1, FYN, FYTTD1, FZD1, FZD10, FZD2, FZD3, FZD4, FZD5, FZD6, FZD7, FZD8, FZD9, FZR1, G0S2, G2E3, G3BP1, G3BP2, G6PC, 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, GAGE12D, GAGE12E, GAGE12F, GAGE12G, GAGE12H, GAGE12J, GAGE13, GAGE2A, GAK, GAL, GAL3ST1, GAL3ST2, GAL3ST3, GAL3ST4, GALK, 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, GARNL3, GARS, GART, GAS1, GAS2, GAS2L1, GAS2L2, GAS2L3, GAS6, GAS7, GAS8, GAST, GATA1, GATA2, GATA3, GATA4, GATA5, GATA6, GATAD1, GATAD2A, GATAD2B, GATB, GATC, GATD1, GATD3A, GATD3B, GATM, GBA, 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, GDF5OS, GDF6, GDF7, GDF9, GDI1, GDI2, GDNF, GDNF-AS1, GDPD1, GDPD2, GDPD3, GDPD4, GDPD5, GDPGP1, GEM, GEMIN2, GEMIN4, GEMIN5, GEMIN6, GEMIN7, GEMIN8, GEN1, GET4, GFAP, GFER, GFI1, GFI1B, GFM1, GFM2, GFOD1, GFOD2, GFPT1, GFPT2, GFRA1, GFRA2, GFRA3, GFRA4, GFRAL, GFY, GGA1, GGA2, GGA3, GGA4, GGACT, GGCT, GGCX, GGH, GGN, GGNBP2, GGPS1, GGT1, GGT2, GGT5, GGT6, GGT7, GGTL1, GGTL2, GGTL3, GH1, GH2, GHDC, GHITM, GHR, GHRH, GHRHR, GHRL, GHSR, GID4, GID8, GIF, 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, GJE1, 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, 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, GLYATL1B, GLYATL2, GLYATL3, GLYCTK, GLYR1, GM2A, GMCL1, GMCL2, GMDS, GMEB1, GMEB2, GMFB, GMFG, GMIP, GML, GMNC, GMNN, GMPPA, GMPPB, GMPPR, GMPPR2, 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, GNG13, GNG14, 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, GOLGA6L22, GOLGA6L3, GOLGA6L4, GOLGA6L6, GOLGA6L9, GOLGA7, GOLGA7B, GOLGA8A, GOLGA8B, GOLGA8F, GOLGA8G, GOLGA8H, GOLGA8J, GOLGA8K, GOLGA8M, GOLGA8N, GOLGA8O, GOLGA8Q, GOLGA8R, GOLGA8S, GOLGA8T, GOLGB1, GOLIM4, GOLM1, 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, GPR1, 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, 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, GPR42, GPR45, GPR50, GPR52, GPR55, GPR6, GPR61, GPR62, GPR63, GPR65, GPR68, GPR75, GPR75-ASB3, GPR78, GPR82, GPR83, GPR84, GPR85, GPR87, GPR88, GPR89A, GPR89B, GPRASP1, GPRASP2, 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, GRAPL, GRASP, 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, GRPR, GRSF1, GRTP1, 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, GSTT2, GSTT2B, GSTT4, GSTZ1, GSX1, GSX2, GTDC1, GTF2A1, GTF2A1L, GTF2A2, GTF2B, GTF2E1, GTF2E2, GTF2F1, GTF2F2, GTF2H1, GTF2H2, GTF2H2C, GTF2H3, GTF2H4, GTF2H5, GTF2I, GTF2IRD1, GTF2IRD2, GTF2IRD2B, GTF3A, GTF3C1, GTF3C2, GTF3C3, GTF3C4, GTF3C5, GTF3C6, GTPBP1, GTPBP10, GTPBP2, GTPBP3, GTPBP4, GTPBP6, GTPBP8, GTSCR1, GTSE1, GTSF1, GTSF1L, GUCA1A, GUCA1B, GUCA1C, GUCA2A, GUCA2B, GUCD1, GUCY1A1, GUCY1A2, GUCY1B1, GUCY2C, GUCY2D, GUCY2F, GUF1, GUK1, GULP1, GUSB, GVQW2, GVQW3, GXYL1, GXYL2, GYG1, GYG2, GYPA, GYPB, GYPC, GYPE, GYS1, GYS2, GZF1, GZMA, GZMB, GZMH, GZMK, GZMM, H1F0, H1FNT, H1FOO, H1FX, H2AFB1, H2AFB2, H2AFB3, H2AFJ, H2AFV, H2AFX, H2AFY, H2AFY2, H2AFZ, H2BFM, H2BFS, H2BFWT, H3F3A, H3F3B, H3F3C, H3Y1, H6PD, HAAO, HABP2, HABP4, HACD1, HACD2, HACD3, HACD4, HACE1, HAEL1, HADH, HADHA, HADHB, HAGH, HAGHL, HAL, HAMP, HAND1, HAND2, HAO1, HAO2, HAP1, HAPLN1, HAPLN2, HAPLN3, HAPLN4, HARB1, HARS, 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, 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, HEXDC, HEXIM1, HEXIM2, HEY1, HEY2, HEYL, HFE, HFM1, HGC6.3, HGD, HGF, HGFAC, HGH1, HGS, HGSNAT, HHAT, HHATL, HHEX, HHIP, HHIPL1, HHIPL2, HHLA1, HHLA2, HHLA3, 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, HIST1H1A, HIST1H1B, HIST1H1C, HIST1H1D, HIST1H1E, HIST1H1T, HIST1H2AA, HIST1H2AB, HIST1H2AC, HIST1H2AD, HIST1H2AE, HIST1H2AG,

HIST1H2AH, HIST1H2AI, HIST1H2AJ, HIST1H2AK, HIST1H2AL, HIST1H2AM, HIST1H2BA, HIST1H2BB, HIST1H2BC, HIST1H2BD, HIST1H2BE, HIST1H2BF, HIST1H2BG, HIST1H2BH, HIST1H2BI, HIST1H2BJ, HIST1H2BK, HIST1H2BL, HIST1H2BM, HIST1H2BN, HIST1H2BO, HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J, HIST1H4A, HIST1H4B, HIST1H4C, HIST1H4D, HIST1H4E, HIST1H4F, HIST1H4G, HIST1H4H, HIST1H4I, HIST1H4J, HIST1H4K, HIST1H4L, HIST2H2AA3, HIST2H2AA4, HIST2H2AB, HIST2H2AC, HIST2H2BE, HIST2H2BF, HIST2H3A, HIST2H3C, HIST2H3D, HIST2H3PS2, HIST2H4A, HIST2H4B, HIST3H2A, HIST3H2BB, HIST3H3, HIST4H4, HIVEP1, HIVEP2, HIVEP3, HJURP, HJV, HK1, HK2, HK3, HKDC1, HKR1, 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, HM13, HMBOX1, HMBS, HMCES, HMCN1, HMCN2, HMG20A, HMG20B, HMGA1, HMGA2, HMGB1, HMGB2, HMGB3, HMGB4, HMGCL, HMGCLL1, HMGCR, HMGCS1, HMGCS2, HMGN1, HMGN2, HMGN3, HMGN4, HMGN5, HMGXB3, HMGXB4, HMHB1, HMMR, HMOX1, HMOX2, HMSD, HMX1, HMX2, HMX3, HNF1A, HNF1B, HNF4A, HNF4G, HNMT, HNRNPA0, HNRNPA1, HNRNPA1L2, HNRNPA2B1, HNRNPA3, HNRNPAB, HNRNPC, HNRNPCL1, HNRNPCL2, HNRNPCL3, HNRNPCL4, HNRNPD, HNRNPDL, HNRNPF, HNRNPH1, HNRNPH2, HNRNPH3, HNRNPK, HNRNPL, HNRNPPL, HNRNPM, HNRNPR, HNRNPU, HNRNPUL1, HNRNPUL2, HOGA1, HOMER1, HOMER2, HOMER3, HOMEZ, HOOK1, HOOK2, HOOK3, HOPX, HORMAD1, HORMAD2, HOTS, HOXA1, HOXA10, HOXA11, HOXA13, HOXA2, HOXA3, HOXA4, HOXA5, HOXA6, HOXA7, HOXA9, HOXB1, HOXB13, HOXB2, HOXB3, HOXB4, HOXB5, HOXB6, HOXB7, HOXB8, HOXB9, HOXC10, HOXC11, HOXC12, HOXC13, 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, HPR, HPRT1, HPS1, HPS3, HPS4, HPS5, HPS6, HPSE, HPSE2, HPX, HR, HRAS, HRASLS, HRASLS2, HRASLS5, HRC, HRCT1, HRG, HRH1, HRH2, HRH3, HRH4, HRK, HRNR, HS1BP3, HS2ST1, HS3ST1, HS3ST2, HS3ST3A1, 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, HSFX1, HSFX2, HSFX4, HSFY1, HSFY2, HSH2D, HSP90AA1, HSP90AB1, HSP90B1, HSPA12A, HSPA12B, HSPA13, HSPA14, HSPA1A, HSPA1B, HSPA1L, HSPA2, HSPA4, HSPA4L, HSPA5, HSPA6, HSPA8, HSPA9, HSPB1, HSPB11, HSPB2, HSPB3, HSPB6, HSPB7, HSPB8, HSPB9, HSPBAP1, HSPBP1, HSPD1, HSPE1, HSPG2, HSPH1, HTATIP2, HTATSF1, HTD2, HTN1, HTN3, HTR1A, HTR1B, HTR1D, HTR1E, HTR1F, HTR2A, HTR2B, HTR2C, HTR3A, HTR3B, HTR3C, HTR3D, HTR3E, HTR4, HTR5A, HTR6, HTR7, HTRA1, HTRA2, HTRA3, HTRA4, HTT, HUNK, HUS1, HUS1B, HUWE1, HVCN1, HYAL1, HYAL2, HYAL3, HYAL4, HYDIN, HYI, HYKK, HYLS1, HYOU1, HYPK, HYPM, IAH1, IAPP, IARS, IARS2, IBA57, IBSP, IBTK, ICA1, ICA1L, ICAM1, ICAM2, ICAM3, ICAM4, ICAM5, ICE1, ICE2, ICK, ICMT, ICOS, ICOSLG, ID1, ID2, ID3, ID4, IDE, IDH1, IDH2, IDH3A, IDH3B, IDH3G, IDI1, IDI2, 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, IFNA1, IFNA10, IFNA13, IFNA14, IFNA16, IFNA17, IFNA2, IFNA21, IFNA4, IFNA5, IFNA6, IFNA7, IFNA8, IFNAR1, IFNAR2, IFNB1, IFNE, IFNG, IFNGR1, IFNGR2, IFNK, IFNL1, IFNL2, IFNL3, IFNL4, IFNLR1, IFNW1, IFRD1, IFRD2, IFT122, IFT140, IFT172, IFT20, IFT22, IFT27, IFT43, IFT46, IFT52, IFT57, IFT74, IFT80, IFT81, IFT88, IGBP1, IGDC3, IGDC4, IGF1, IGF1R, IGF2, IGF2BP1, IGF2BP2, IGF2BP3, IGF2R, IGFALS, IGFBP1, IGFBP2, IGFBP3, IGFBP4, IGFBP5, IGFBP6, IGFBP7, 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, IK, IKBIP, IKBKB, IKBKE, IKBKG, IKZF1, IKZF2, IKZF3, IKZF4, IKZF5, IL10, IL10RA, IL10RB, IL11, IL11RA, IL12A, IL12B, IL12RB1, IL12RB2, IL13, IL13RA1, IL13RA2, IL15, IL15RA, IL16, IL17A, IL17B, IL17C, IL17D, 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, IL21R, IL22, IL22RA1, IL22RA2, IL23A, IL23R, IL24, IL25, IL26, IL27, IL27RA, IL2RA, IL2RB, IL2RG, IL3, IL31, IL31RA, IL32, IL33, IL34, IL36A, IL36B, IL36G, IL36RN, IL37, IL3RA, IL4, IL4I1, IL4R, IL5, IL5RA, IL6, IL6R, IL6ST, IL7, IL7R, IL9, IL9R, ILDR1, ILDR2, ILF2, ILF3,



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, KLLN, KLRB1, KLRC1, KLRC2, KLRC3, KLRC4, KLRD1, KLRF1, KLRF2, KLRG1, KLRG2, KLRK1, KMO, KMT2A, KMT2B, KMT2C, KMT2D, KMT2E, KMT5A, KMT5B, KMT5C, KNCN, KNDC1, KNG1, KNL1, KNOP1, KNSTRN, KNTC1, KPNA1, KPNA2, KPNA3, KPNA4, KPNA5, KPNA6, KPNA7, KPNB1, KPRP, KPTN, KRAS, KRBA1, KRBA2, KRBOX1, KRBOX4, KRCC1, KREMEN1, KREMEN2, KRI1, KRIT1, KRR1, KRT1, KRT10, 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, KRTAP10-1, KRTAP10-10, KRTAP10-11, KRTAP10-12, KRTAP10-2, KRTAP10-3, KRTAP10-4, KRTAP10-5, KRTAP10-6, KRTAP10-7, KRTAP10-8, KRTAP10-9, KRTAP1-1, KRTAP11-1, KRTAP12-1, KRTAP12-2, KRTAP12-3, KRTAP12-4, KRTAP1-3, KRTAP13-1, KRTAP13-2, KRTAP13-3, KRTAP13-4, KRTAP1-4, KRTAP1-5, KRTAP15-1, KRTAP16-1, KRTAP17-1, KRTAP19-1, KRTAP19-2, KRTAP19-3, KRTAP19-4, KRTAP19-5, KRTAP19-6, KRTAP19-7, KRTAP19-8, KRTAP20-1, KRTAP20-2, KRTAP20-3, KRTAP20-4, KRTAP2-1, KRTAP21-1, KRTAP21-2, KRTAP21-3, KRTAP2-2, KRTAP22-1, KRTAP22-2, KRTAP2-3, KRTAP23-1, KRTAP2-4, 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, KRTAP5-4, KRTAP5-5, KRTAP5-6, KRTAP5-7, KRTAP5-8, KRTAP5-9, 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, KRTCAP2, KRTCAP3, KRTDAP, 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, LAMB1, LAMB2, LAMB3, LAMB4, LAMC1, LAMC2, LAMC3, LAMP1, LAMP2, LAMP3, LAMP5, LAMTOR1, LAMTOR2, LAMTOR3, LAMTOR4, LAMTOR5, LANCL1, LANCL2, LANCL3, LAP3, LAPTM4A, LAPTM4B, LAPTM5, LARGE1, LARGE2, LARP1, LARP1B, LARP4, LARP4B, LARP6, LARP7, LARS, LARS2, LAS1L, LASP1, LAT, LAT2, LATS1, LATS2, LAX1, LAYN, LBH, LBHD1, LBHD2, 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, LDAH, LDB1, LDB2, LDB3, LDHA, LDHAL6A, LDHAL6B, LDHB, LDHC, LDHD, LDLR, LDLRAD1, LDLRAD2, LDLRAD3, LDLRAD4, LDLRAP1, LDOC1, LEAP2, LECT2, LEF1, LEFTY1, LEFTY2, LEKR1, LELP1, LEMD1, LEMD2, LEMD3, LENEP, LENG1, LENG8, LENG9, LEO1, LEP, LEPR, LEPROT, LEPROTL1, LETM1, LETM2, LETMD1, LEUTX, LEXM, LFNG, LGALS1, LGALS12, LGALS13, LGALS14, LGALS16, LGALS2, LGALS3, LGALS3BP, LGALS4, LGALS7, LGALS7B, LGALS8, LGALS9, LGALS9B, LGALS9C, LGALSL, LGI1, LGI2, LGI3, LGI4, LGMN, LGR4, LGR5, LGR6, LGSN, LHB, LHCGR, LHFPL1, LHFPL2, LHFPL3, LHFPL4, LHFPL5, LHFPL6, LHPP, LHX1, LHX2, LHX3, LHX4, LHX5, LHX6, LHX8, LHX9, LIAS, LIF, LIFR, LIG1, LIG3, LIG4, LILRA1, LILRA2, LILRA4, LILRA5, LILRA6, LILRB1, LILRB2, LILRB3, LILRB4, LILRB5, LIM2, LIMA1, LIMCH1, LIMD1, LIMD2, LIME1, LIMK1, LIMK2, LIMS1, LIMS2, LIMS3, LIMS4, LIN28A, LIN28B, LIN37, LIN52, LIN54, LIN7A, LIN7B, LIN7C, LIN9, LINC00452, LINC01638, LINC01835, LINC02054, 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, LMLN2, LMNA, LMNB1, LMNB2, LMNTD1, LMNTD2, LMO1, LMO2, LMO3, LMO4, LMO7, LMO7DN, LMOD1, LMOD2, LMOD3, LMTK2, LMTK3, LMX1A, LMX1B, LNP1, LNPEP, LNPK, LNX1, LNX2, LOC100126447, LOC100128108, LOC100128988, LOC100129083, LOC100129307, LOC100129484, LOC100129697, LOC100130357, LOC100130370, LOC100130449, LOC100130451, LOC100131107, LOC100132813, LOC100134391, LOC100144595, LOC100287036, LOC100287896, LOC100289561, LOC100505549, LOC100505841, LOC100506388, LOC100506422, LOC100507507, LOC100996693, LOC100996842,





MBD3L5, 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, MCCD1, 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, MCRIP1, MCRIP2, MCRS1, MCTP1, MCTP2, MCTS1, MCU, MCUB, MCUR1, MDC1, MDFI, MDFIC, MDGA1, MDGA2, MDH1, MDH1B, MDH2, MDK, MDM1, MDM2, MDM4, MDN1, MDP1, MDS2, ME1, ME2, ME3, MEA1, MEAF6, 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, MED6, MED7, MED8, MED9, MEDAG, MEF2A, MEF2B, MEF2C, MEF2D, MEFV, MEGF10, MEGF11, MEGF6, MEGF8, MEGF9, MEI1, MEI4, MEIG1, MEIKIN, MEIOB, MEIOC, 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, METTL11B, METTL13, METTL14, METTL15, METTL16, METTL17, METTL18, METTL21A, METTL21C, METTL22, METTL23, METTL24, METTL25, METTL26, METTL27, METTL2A, METTL2B, METTL3, METTL4, METTL5, METTL6, METTL7A, METTL7B, 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, MFSD14C, 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, MIA, MIA2, MIA3, MIB1, MIB2, MICA, MICAL1, MICAL2, MICAL3, MICALCL, MICALL1, MICALL2, MICB, MICU1, MICU2, MICU3, MID1, MID1IP1, MID2, MIDN, MIEF1, MIEF2, MIEN1, MIER1, MIER2, MIER3, MIF, MIF4GD, MIGA1, MIGA2, MIIP, MILR1, MINDY1, MINDY2, MINDY3, MINDY4, MINDY4B, MINK1, MINOS1, MINOS1-NBL1, MINPP1, MIOS, MIOX, MIP, MIPEP, MIPOL1, MIR1-1HG, MIR205HG, MIS12, MIS18A, MIS18BP1, MISP, MISP3, MITD1, MITF, 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, MMG1, MMP1, MMP10, MMP11, MMP12, MMP13, MMP14, MMP15, MMP16, MMP17, MMP19, MMP2, MMP20, MMP21, MMP23B, MMP24, MMP24OS, MMP25, MMP26, MMP27, MMP28, MMP3, MMP7, MMP8, MMP9, MMRN1, MMRN2, MMS19, MMS22L, MN1, MNAT1, MND1, MNDA, MNS1, MNT, MNX1, MOAP1, MOB1A, MOB1B, MOB2, MOB3A, MOB3B, MOB3C, MOB4, MOBP, MOCOS, MOCS1, MOCS2, MOCS3, 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, MPP5, MPP6, MPP7, MPPE1, MPPED1, MPPED2, MPRIP, MPST, MPV17, MPV17L, MPV17L2, MPZ, MPZL1, MPZL2, MPZL3, MR1, MRAP, MRAP2, MRAS, MRC1, MRC2, MRE11, MREG, MRFAP1, MRFAP1L1, MRGBP, MRGPRD, MRGPRE, MRGPRF, MRGPRG, MRGPRX1, MRGPRX2, MRGPRX3, MRGPRX4, MRI1, MRLN, MRM1, MRM2, MRM3, MRNIP, MRO, MROH1, 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, MRPS36, MRPS5, MRPS6, MRPS7, MRPS9, MRRF, MRS2, MRTFA, MRTFB, MRTO4, MRV1, MS4A1, MS4A10, MS4A12, MS4A13, MS4A14, MS4A15, MS4A18, MS4A2, MS4A3,

MS4A4A, MS4A4E, MS4A5, MS4A6A, MS4A6E, MS4A7, MS4A8, MSANTD1, MSANTD2, MSANTD3, MSANTD3-TMEFF1, MSANTD4, MSC, MSGN1, MSH2, MSH3, MSH4, MSH5, MSH6, MSI1, MSI2, MSL1, MSL2, MSL3, MSLN, MSMB, MSMO1, MSMP, MSN, MSR1, MSRA, MSRB1, MSRB2, MSRB3, MSS51, MST1, MST1L, MST1R, MSTN, MSTO1, MSX1, MSX2, MT1A, MT1B, MT1E, MT1F, MT1G, MT1H, MT1HL1, MT1M, MT1X, MT2A, MT3, MT4, MTA1, MTA2, MTA3, MTAP, MT-ATP6, MT-ATP8, MTBP, MTCH1, MTCH2, MTCL1, MT-CO1, MT-CO2, MT-CO3, MTCP1, MT-CYB, 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, MT-ND1, MT-ND2, MT-ND3, MT-ND4, MT-ND4L, MT-ND5, MT-ND6, MTNR1A, MTNR1B, MTO1, MTOR, MTPAP, MTPN, MTR, MTREX, MTRF1, MTRF1L, MTRNR1, MTRNR2, MTRNR2L1, MTRNR2L10, MTRNR2L2, MTRNR2L3, MTRNR2L4, MTRNR2L5, MTRNR2L6, MTRNR2L7, MTRNR2L8, MTRNR2L9, MTRR, MTSS1, MTSS1L, 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, MTPP, MT-TP, MT-TQ, MT-TR, MT-TS1, MT-TS2, MT-TT, MT-TV, MT-TW, MT-TY, MTURN, MTUS1, MTUS2, MTX1, MTX2, MTX3, MUC1, MUC12, MUC13, MUC15, MUC16, MUC17, MUC19, MUC2, MUC20, MUC21, MUC22, MUC3A, MUC4, MUC5AC, MUC5B, MUC6, MUC7, MUCL1, MUCL3, MUL1, MUM1, MUM1L1, MUS81, MUSK, MUSTN1, MUT, MUTYH, MVB12A, MVB12B, MVD, MVK, MVP, MX1, MX2, MXD1, MXD3, MXD4, MXI1, MXRA5, MXRA7, MXRA8, MYADM, MYADML2, MYB, MYBBP1A, MYBL1, MYBL2, MYBPC1, MYBPC2, MYBPC3, MYBPH, MYBPHL, MYC, MYCBP, MYCBP2, MYCBPAP, MYCL, MYCN, MYCNOS, MYCT1, MYD88, MYDGF, MYEF2, MYEOV, MYF5, MYF6, MYH1, MYH10, MYH11, MYH13, MYH14, MYH15, MYH2, MYH3, MYH4, MYH6, MYH7, MYH7B, MYH8, MYH9, MYL1, MYL10, MYL12A, MYL12B, MYL2, MYL3, MYL4, MYL5, MYL6, MYL6B, MYL7, MYL9, MYLIP, MYLK, MYLK2, MYLK3, MYLK4, MYLPF, MYMK, MYMX, 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, 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, NAGS, NAIF1, NAIP, NALCN, NAMPT, NANOG, NANOGNB, NANOGP8, NANOS1, NANOS2, NANOS3, NANP, NANS, NAP1L1, NAP1L2, NAP1L3, NAP1L4, NAP1L5, NAPA, NAPB, NAPEPLD, NAPG, NAPRT, NAPSA, NARF, NARS, NARS2, NASP, NAT1, NAT10, NAT14, NAT16, NAT2, NAT8, NAT8L, NAT9, NATD1, NAV1, NAV2, NAV3, NAXD, NAXE, NBAS, NBDY, NBEA, NBEAL1, NBEAL2, NBL1, NBN, NBPF1, NBPF10, NBPF11, NBPF12, NBPF14, NBPF15, NBPF19, NBPF20, NBPF26, NBPF3, NBPF4, NBPF6, NBPF7, NBPF8, NBPF9, NBR1, NCALD, NCAM1, NCAM2, NCAN, NCAPD2, NCAPD3, NCAPG, NCAPG2, NCAPH, NCAPH2, NCBP1, NCBP2, NCBP2-AS2, NCBP2L, 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, 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, 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, NFE4, NFIA, NFIB, NFIC, NFIL3, NFIX, NFKB1, NFKB2, NFKBIA, NFKBIB, NFKBID, NFKBIE, NFKBIL1, NFKBIZ, NFRKB, NFS1, NFU1, NFX1, NFXL1, NFYA, NFYB, NFYC, NGB, NGDN, NGEF, NGF, NGFR, NGLY1, NGRN, NHEJ1, NHLH1, NHLH2, NHLRC1, NHLRC2, NHLRC3, NHLRC4, NHP2, NHS, NHSL1, NHSL2, NICN1, NID1, NID2, NIF3L1, NIFK, 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, NKX2-2, 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, NLRP2B, 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, NOS1, NOS1AP, NOS2, NOS3, NOSIP, NOSTRIN, NOTCH1, NOTCH2, NOTCH2NLA, NOTCH3, NOTCH4, NOTO, NOTUM, NOV, 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, NPHP4, NPHS1, NPHS2, NPIPA1, NPIPA2, NPIPA3, NPIPA5, NPIPA7, NPIPA8, NPIPB11, NPIPB12, NPIPB13, NPIPB15, NPIPB2, NPIPB3, NPIPB4, NPIPB5, NPIPB6, NPIPB7, NPIPB8, NPIPB9, NPL, NPLOC4, NPM1, NPM2, NPM3, NPNT, NPPA, NPPB, NPPC, NPR1, NPR2, NPR3, NPRL2, NPRL3, NPS, NPSR1, NPTN, NPTX1, NPTX2, NPTXR, NPVF, NPW, NPY, NPY1R, NPY2R, NPY4R, NPY4R2, NPY5R, NQO1, NQO2, NROB1, NROB2, 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, 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, NSG1, NSG2, NSL1, NSMAF, NSMCE1, NSMCE2, NSMCE3, NSMCE4A, NSMF, NSRP1, NSUN2, NSUN3, NSUN4, NSUN5, NSUN6, NSUN7, NT5C, NT5C1A, NT5C1B, NT5C1B-RDH14, NT5C2, NT5C3A, NT5C3B, NT5DC1, NT5DC2, NT5DC3, NT5DC4, NT5E, NT5M, NTAN1, NTF3, NTF4, NTHL1, NTM, NTMT1, NTN1, NTN3, NTN4, NTN5, NTNG1, NTNG2, NTPCR, NTRK1, NTRK2, NTRK3, NTS, NTSR1, NTSR2, NUAKE1, NUAKE2, NUB1, NUBP1, NUBP2, NUBPL, NUCB1, NUCB2, NUCKS1, NUDC, NUDCD1, NUDCD2, NUDCD3, NUDT1, NUDT10, NUDT11, NUDT12, NUDT13, NUDT14, NUDT15, NUDT16, NUDT16L1, NUDT17, NUDT18, NUDT19, NUDT2, NUDT21, NUDT22, NUDT3, NUDT4, NUDT4B, NUDT5, NUDT6, NUDT7, NUDT8, NUDT9, NUF2, NUFIP1, NUFIP2, NUGGC, NUMA1, NUMB, NUMBL, NUP107, NUP133, NUP153, NUP155, NUP160, NUP188, NUP205, NUP210, NUP210L, NUP214, NUP35, NUP37, NUP43, NUP50, NUP54, NUP58, NUP62, NUP62CL, NUP85, NUP88, NUP93, NUP98, NUPL2, NUPR1, NUPR2, NUS1, NUSAP1, NUTF2, NUTM1, NUTM2A, NUTM2B, NUTM2D, NUTM2E, NUTM2F, NUTM2G, 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, OBP2A, OBP2B, OBSCN, OBSL1, OC90, OCA2, OCEL1, OCIAD1, OCIAD2, OCLN, OCM, OCM2, OCRL, OCSTAMP, ODAM, ODAPH, ODC1, ODF1, ODF2, ODF2L, ODF3, ODF3B, ODF3L1, ODF3L2, ODF4, ODR4, OFD1, OGA, OGDH, OGDHL, OGFOD1, OGFOD2, OGFOD3, OGFR, OGFR1, 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, OOE, OOSP2, OPA1, OPA3, OPALIN, OPCML, OPHN1, OPLAH, OPN1LW, OPN1MW, OPN1MW2, OPN1MW3, OPN1SW, OPN3, OPN4, OPN5, OPRD1, OPRK1, OPRL1, OPRM1, OPRPN, OPTC, OPTN, OR10A2, OR10A3, OR10A4, OR10A5, OR10A6, OR10A7, OR10AC1, OR10AD1, OR10AG1, OR10C1,

OR10D3, OR10G2, OR10G3, OR10G4, OR10G6, OR10G7, OR10G8, OR10G9, OR10H1, OR10H2, OR10H3, OR10H4, OR10H5, OR10J1, OR10J3, OR10J4, OR10J5, OR10K1, OR10K2, OR10P1, OR10Q1, OR10R2, OR10S1, OR10T2, OR10V1, OR10W1, OR10X1, OR10Z1, OR11A1, OR11G2, OR11H1, OR11H12, OR11H2, OR11H4, OR11H6, OR11H7, OR11L1, OR12D1, OR12D2, OR12D3, OR13A1, OR13C2, OR13C3, OR13C4, OR13C5, OR13C8, OR13C9, OR13D1, OR13F1, OR13G1, OR13H1, OR13J1, OR14A16, OR14A2, OR14C36, OR14I1, OR14J1, OR14K1, OR1A1, OR1A2, OR1B1, OR1C1, OR1D2, OR1D4, OR1D5, OR1E1, OR1E2, OR1E3, OR1F1, OR1F12, OR1G1, OR1I1, OR1J1, OR1J2, OR1J4, OR1K1, OR1L1, OR1L3, OR1L4, OR1L6, OR1L8, OR1M1, OR1N1, OR1N2, OR1Q1, OR1S1, OR1S2, OR2A1, OR2A12, OR2A14, OR2A2, OR2A25, OR2A4, OR2A42, OR2A5, OR2A7, OR2AE1, OR2AG1, OR2AG2, OR2AJ1, OR2AK2, OR2AP1, OR2AT4, OR2B11, OR2B2, OR2B3, OR2B6, OR2C1, OR2C3, OR2D2, OR2D3, OR2F1, OR2F2, OR2G2, OR2G3, OR2G6, OR2H1, OR2H2, OR2J1, OR2J2, OR2J3, OR2K2, OR2L13, OR2L2, OR2L3, OR2L5, OR2L8, OR2M2, OR2M3, OR2M4, OR2M5, OR2M7, OR2S2, OR2T1, OR2T10, OR2T11, OR2T12, OR2T2, OR2T27, OR2T29, OR2T3, OR2T33, OR2T34, OR2T35, OR2T4, OR2T5, OR2T6, OR2T7, OR2T8, OR2V1, OR2V2, OR2W1, OR2W3, OR2W5, OR2Y1, OR2Z1, OR3A1, OR3A2, OR3A3, OR4A15, OR4A16, OR4A47, OR4A5, OR4B1, OR4C11, OR4C12, OR4C13, OR4C15, OR4C16, OR4C3, OR4C45, OR4C46, OR4C5, OR4C6, OR4D1, OR4D10, OR4D11, OR4D2, OR4D5, OR4D6, OR4D9, OR4E1, OR4E2, OR4F15, OR4F16, OR4F17, OR4F21, OR4F29, OR4F3, OR4F4, OR4F5, OR4F6, OR4K1, OR4K13, OR4K14, OR4K15, OR4K17, OR4K2, OR4K3, OR4K5, OR4L1, OR4M1, OR4M2, OR4N2, OR4N4, OR4N5, OR4P4, OR4Q2, OR4Q3, OR4S1, OR4S2, OR4X1, OR4X2, OR51A2, OR51A4, OR51A7, OR51B2, OR51B4, OR51B5, OR51B6, OR51D1, OR51E1, OR51E2, OR51F1, OR51F2, OR51G1, OR51G2, OR51H1, OR51I1, OR51I2, OR51J1, OR51L1, OR51M1, OR51Q1, OR51S1, OR51T1, OR51V1, OR52A1, OR52A5, OR52B2, OR52B4, OR52B6, OR52D1, OR52E1, OR52E2, OR52E4, OR52E5, OR52E6, OR52E8, OR52H1, OR52I1, OR52I2, OR52J3, OR52K1, OR52K2, OR52L1, OR52M1, OR52N1, OR52N2, OR52N4, OR52N5, OR52R1, OR52W1, OR52Z1, OR56A1, OR56A3, OR56A4, OR56A5, OR56B1, OR56B4, OR5A1, OR5A2, OR5AC2, OR5AK2, OR5AL1, 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, OR5R1, OR5T1, OR5T2, OR5T3, OR5V1, OR5W2, OR6A2, OR6B1, OR6B2, OR6B3, OR6C1, OR6C2, OR6C3, OR6C4, OR6C6, OR6C65, OR6C68, OR6C70, OR6C74, OR6C75, OR6C76, OR6F1, OR6J1, 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, OR8G1, OR8G2P, OR8G5, OR8H1, OR8H2, OR8H3, OR8I2, OR8J1, OR8J3, OR8K1, OR8K3, OR8K5, OR8S1, OR8U1, 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, 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, OVCH2, OVGP1, OVOL1, OVOL2, OVOL3, OXA1L, OXCT1, OXCT2, OXER1, OXGR1, OXLD1, OXNAD1, OXR1, OXSM, OXSR1, OXT, OXTR, P2RX1, P2RX2, P2RX3, P2RX4, P2RX5, P2RX6, P2RX7, P2RY1, P2RY10, P2RY11, P2RY12, P2RY13, P2RY14, P2RY2, P2RY4, P2RY6, P2RY8, P3H1, P3H2, P3H3, P3H4, P4HA1, P4HA2, P4HA3, P4HB, P4HTM, PA2G4, PAAF1, PABPC1, PABPC1L, PABPC1L2A, PABPC1L2B, PABPC3, PABPC4, PABPC4L, PABPC5, PABPN1, PABPN1L, PACRG, PACRGL, PACS1, PACS2, PACSIN1, PACSIN2, PACSIN3, PADI1, PADI2, PADI3, PADI4, PADI6, PAEP, PAF1, PAFAH1B1, PAFAH1B2, PAFAH1B3, PAFAH2, PAG1, PAGE1, PAGE2, PAGE2B, PAGE3, PAGE4, PAGE5, PAGR1, PAH, PAICS, PAIP1, PAIP2, PAIP2B, PAK1, PAK1IP1, PAK2, PAK3, PAK4, PAK5, PAK6, PALB2, PALD1, PALLD, PALM, PALM2, PALM2-AKAP2, PALM3, PALMD, PAM, PAM16, PAMR1, PAN2, PAN3, PANK1, PANK2, PANK3, PANK4, PANO1, PANX1, PANX2, PANX3, PAOX, PAPLN, PAPOLA, PAPOLB, PAPOLG, PAPPA, PAPPA2, PAPSS1, PAPSS2, PAQR3, PAQR4, PAQR5, PAQR6, PAQR7, PAQR8, PAQR9, PARD3, PARD3B,

PARD6A, PARD6B, PARD6G, PARG, PARK7, PARL, PARM1, PARN, PARP1, PARP10, PARP11, PARP12, PARP14, PARP15, PARP16, PARP2, PARP3, PARP4, PARP6, PARP8, PARP9, PARPBP, PARS2, PARVA, PARVB, PARVG, PASD1, PASK, PATE1, PATE2, PATE3, PATE4, PATJ, PATL1, PATL2, PATZ1, PAWR, PAX1, PAX2, PAX3, PAX4, PAX5, PAX6, PAX7, PAX8, PAX9, PAXBP1, PAXIP1, PAXX, PBDC1, PBK, PBLD, PBOV1, PBRM1, PBX1, PBX2, PBX3, PBX4, PBXIP1, PC, PCARE, PCBD1, PCBD2, PCBP1, PCBP2, PCBP3, PCBP4, PCCA, PCCB, PCDH1, PCDH10, PCDH11X, PCDH11Y, PCDH12, PCDH15, PCDH17, PCDH18, PCDH19, PCDH20, PCDH7, PCDH8, PCDH9, PCDHA1, PCDHA10, PCDHA11, PCDHA12, PCDHA13, PCDHA2, PCDHA3, PCDHA4, PCDHA5, PCDHA6, PCDHA7, PCDHA8, PCDHA9, PCDHAC1, PCDHAC2, PCDHB1, PCDHB10, PCDHB11, PCDHB12, PCDHB13, PCDHB14, PCDHB15, PCDHB16, PCDHB2, PCDHB3, PCDHB4, PCDHB5, PCDHB6, PCDHB7, PCDHB8, PCDHB9, PCDHGA1, PCDHGA10, PCDHGA11, PCDHGA12, PCDHGA2, PCDHGA3, PCDHGA4, PCDHGA5, PCDHGA6, PCDHGA7, PCDHGA8, PCDHGA9, PCDHGB1, PCDHGB2, PCDHGB3, PCDHGB4, PCDHGB5, PCDHGB6, PCDHGB7, PCDHGC3, PCDHGC4, PCDHGC5, PCED1A, PCED1B, PCF11, PCGF1, PCGF2, PCGF3, PCGF5, PCGF6, PCID2, PCIF1, PCK1, PCK2, PCLAF, PCLO, PCM1, PCMT1, PCMTD1, PCMTD2, PCNA, PCNP, PCNT, PCNX1, PCNX2, PCNX3, PCNX4, PCOLCE, PCOLCE2, PCOTH, PCP2, PCP4, PCP4L1, PCSK1, PCSK1N, PCSK2, PCSK4, PCSK5, PCSK6, PCSK7, PCSK9, PCTP, PCYOX1, PCYOX1L, PCYT1A, PCYT1B, PCYT2, PDAP1, PDC, PDCD1, PDCD10, PDCD11, PDCD1LG2, PDCD2, PDCD2L, PDCD4, PDCD5, PDCD6, PDCD6IP, PDCD7, PDCL, PDCL2, PDCL3, PDE10A, PDE11A, PDE12, PDE1A, PDE1B, PDE1C, PDE2A, PDE3A, PDE3B, PDE4A, PDE4B, PDE4C, PDE4D, PDE4DIP, PDE5A, PDE6A, PDE6B, PDE6C, PDE6D, PDE6G, PDE6H, PDE7A, PDE7B, PDE8A, PDE8B, PDE9A, PDF, PDGFA, PDGFB, PDGFC, PDGFD, PDGFRA, PDGFRB, PDGFRL, PDHA1, PDHA2, PDHB, PDHX, PDIA2, PDIA3, PDIA4, PDIA5, PDIA6, PDIK1L, PDILT, PDK1, PDK2, PDK3, PDK4, PDLIM1, PDLIM2, PDLIM3, PDLIM4, PDLIM5, PDLIM7, PDP1, PDP2, PDPK1, PDPN, PDPR, PDRG1, PDS5A, PDS5B, PDSS1, PDSS2, PDX1, PDXDC1, PDXK, PDXP, PDYN, PDZD11, PDZD2, PDZD3, PDZD4, PDZD7, PDZD8, PDZD9, PDZK1, PDZK1IP1, PDZRN3, PDZRN4, PEA15, PEAK1, PEAK3, PEAR1, PEBP1, PEBP4, PECAM1, PECR, PEF1, PEG10, PEG3, PELI1, PELI2, PELI3, PELO, PELP1, PEMT, PENK, PEPD, PER1, PER2, PER3, PERM1, PERP, PES1, PET100, PET117, PEX1, PEX10, PEX11A, PEX11B, PEX11G, PEX12, PEX13, PEX14, PEX16, PEX19, PEX2, PEX26, PEX3, PEX5, PEX5L, PEX6, PEX7, PF4, PF4V1, PFAS, PFDN1, PFDN2, PFDN4, PFDN5, PFDN6, PFKFB1, PFKFB2, PFKFB3, PFKFB4, PFKL, PFKM, PFKP, PFN1, PFN2, PFN3, PFN4, PGA3, PGA4, PGA5, PGAM1, PGAM2, PGAM4, PGAM5, PGAP1, PGAP2, PGAP3, PGBD1, PGBD2, PGBD4, PGBD5, PGC, PGD, PGF, PGGHG, PGGT1B, PGK1, PGK2, PGLS, PGLYRP1, PGLYRP2, PGLYRP3, PGLYRP4, PGM1, PGM2, PGM2L1, PGM3, PGM5, PGP, PGPEP1, PGPEP1L, PGR, PGRMC1, PGRMC2, PGS1, PHACTR1, PHACTR2, PHACTR3, PHACTR4, PHAX, PHB, PHB2, PHC1, PHC2, PHC3, PHETA1, PHETA2, PHEX, PHF1, PHF10, PHF11, PHF12, PHF13, PHF14, PHF19, PHF2, PHF20, PHF20L1, PHF21A, PHF21B, PHF23, PHF24, PHF3, PHF5A, PHF6, PHF7, PHF8, PHGDH, PHGR1, PHIP, PHKA1, PHKA2, PHKB, PHKG1, PHKG2, PHLDA1, PHLDA2, PHLDA3, PHLDB1, PHLDB2, PHLDB3, PHLPP1, PHLPP2, PHOSPHO1, PHOSPHO2, PHOX2A, PHOX2B, PHPT1, PHRF1, PHTF1, PHTF2, PHYH, PHYHD1, PHYHIP, PHYHIPL, PHYKPL, PI15, PI16, PI3, PI4K2A, PI4K2B, PI4KA, PI4KB, PIANP, PIAS1, PIAS2, PIAS3, PIAS4, PIBF1, PICALM, PICK1, PID1, PIDD1, PIEZO1, PIEZO2, PIF1, PIFO, PIGA, PIGB, PIGBOS1, PIGC, PIGF, PIGG, PIGH, PIGK, PIGL, PIGM, PIGN, PIGO, PIGP, PIGQ, PIGR, PIGS, PIGT, PIGU, PIGV, PIGW, PIGX, PIGY, PIGZ, PIH1D1, PIH1D2, PIH1D3, PIK3AP1, PIK3C2A, PIK3C2B, PIK3C2G, PIK3C3, PIK3CA, PIK3CB, PIK3CD, PIK3CG, PIK3IP1, PIK3R1, PIK3R2, PIK3R3, PIK3R4, PIK3R5, PIK3R6, PIKFYVE, PILRA, PILRB, PIM1, PIM2, PIM3, PIMREG, PIN1, PIN4, PINK1, PINLYP, PINX1, PIP, PIP4K2A, PIP4K2B, PIP4K2C, PIP4P1, PIP4P2, PIP5K1A, PIP5K1B, PIP5K1C, PIP5K1L, PIPOX, PIR, PIRT, PISD, PITHD1, PITPNA, PITPNB, PITPNC1, PITPNM1, PITPNM2, PITPNM3, PITRM1, PITX1, PITX2, PITX3, PIWIL1, PIWIL2, PIWIL3, PIWIL4, PJA1, PJA2, PJKV, PKD1, PKD1L1, PKD1L2, PKD1L3, PKD1P1, PKD2, PKD2L1, PKD2L2, PKDCC, PKDREJ, PKHD1, PKHD1L1, PKIA, PKIB, PKIG, PKLR, PKM, PKMYT1, PKN1, PKN2, PKN3, PKNOX1, PKNOX2, PKP1, PKP2, PKP3, PKP4, PLA1A, PLA2G10, PLA2G12A, PLA2G12B, PLA2G15, PLA2G16, PLA2G1B, PLA2G2A, PLA2G2C, PLA2G2D, PLA2G2E, PLA2G2F, PLA2G3, PLA2G4A, PLA2G4B, PLA2G4C, PLA2G4D, PLA2G4E, PLA2G4F, PLA2G5, PLA2G6, PLA2G7, PLA2R1, PLAA, PLAC1, PLAC4, PLAC8, PLAC8L1, PLAC9, PLAG1, PLAGL1, PLAGL2, PLAT, PLAU, PLaur, PLB1, PLBD1, PLBD2, PLCB1, PLCB2, PLCB3, PLCB4, PLCD1, PLCD3, PLCD4, PLCE1, PLCG1, PLCG2, PLCH1, PLCH2, PLCL1, PLCL2, PLCXD1, PLCXD2,

PLCXD3, PLCZ1, PLD1, PLD2, PLD3, PLD4, PLD5, PLD6, PLEC, PLEK, PLEK2, PLEKHA1, PLEKHA2, PLEKHA3, PLEKHA4, PLEKHA5, PLEKHA6, PLEKHA7, PLEKHA8, PLEKHB1, PLEKHB2, PLEKHD1, PLEKHF1, PLEKHF2, PLEKHG1, PLEKHG2, PLEKHG3, PLEKHG4, PLEKHG4B, PLEKHG5, PLEKHG6, PLEKHG7, PLEKHH1, PLEKHH2, PLEKHH3, PLEKHJ1, PLEKHM1, PLEKHM2, PLEKHM3, PLEKHN1, PLEKHO1, PLEKHO2, PLEKHS1, PLET1, PLG, PLGLB1, PLGLB2, PLGRKT, PLIN1, PLIN2, PLIN3, PLIN4, PLIN5, PLK1, PLK2, PLK3, PLK4, PLK5, PLLP, PLN, PLOD1, PLOD2, PLOD3, PLP1, PLP2, PLPBP, PLPP1, PLPP2, PLPP3, PLPP4, PLPP5, PLPP6, PLPP7, PLPPR1, PLPPR2, PLPPR3, PLPPR4, PLPPR5, PLRG1, PLS1, PLS3, PLSCR1, PLSCR2, PLSCR3, PLSCR4, PLSCR5, PLTP, PLVAP, PLXDC1, PLXDC2, PLXNA1, PLXNA2, PLXNA3, PLXNA4, PLXNB1, PLXNB2, PLXNB3, PLXNC1, PLXND1, PM20D1, PM20D2, PMAIP1, PMCH, PMEL, PMEPA1, PMF1, PMFBP1, PML, PMM1, PMM2, PMP2, PMP22, PMPCA, PMPCB, PMS1, PMS2, PMVK, PNCK, PNISR, PNKD, PNKP, PNLDC1, PNLIP, PNLIPRP1, PNLIPRP2, PNLIPRP3, PNMA1, PNMA2, PNMA3, PNMA5, PNMA6A, PNMA6E, PNMA6F, PNMA8A, PNMA8B, PNMT, PNN, PNO1, PNOC, PNP, PNPLA1, PNPLA2, PNPLA3, PNPLA4, PNPLA5, PNPLA6, PNPLA7, PNPLA8, PNPO, PNPT1, PNRC1, PNRC2, POC1A, POC1B, POC1B-GALNT4, POC5, PODN, PODNL1, PODXL, PODXL2, POF1B, POFUT1, POFUT2, POGK, POGLUT1, POGZ, POLA1, POLA2, POLB, POLD1, POLD2, POLD3, POLD4, POLDIP2, POLDIP3, POLE, POLE2, POLE3, POLE4, POLG, POLG2, POLH, POLI, POLK, POLL, POLM, POLN, POLQ, POLR1A, POLR1B, POLR1C, POLR1D, POLR1E, POLR2A, POLR2B, POLR2C, POLR2D, POLR2E, POLR2F, POLR2G, POLR2H, POLR2I, POLR2J, POLR2J2, POLR2J3, POLR2K, POLR2L, POLR2M, POLR3A, POLR3B, POLR3C, POLR3D, POLR3E, POLR3F, POLR3G, POLR3GL, POLR3H, POLR3K, POLRMT, POM121, POM121C, POM121L12, POM121L2, POMC, POMGNT1, POMGNT2, POMK, POMP, POMT1, POMT2, POMZP3, PON1, PON2, PON3, POP1, POP4, POP5, POP7, POPDC2, POPDC3, POR, PORCN, POSTN, POT1, POTEA, POTEV, POTEV2, POTEV3, POTEV, POTEV4, POTEV5, POTEV6, POTEV7, POTEV8, POTEV9, POTEV10, POTEV11, POTEV12, POTEV13, POTEV14, POTEV15, POTEV16, POTEV17, POTEV18, POTEV19, POTEV20, POTEV25, POTEV26, POTEV27, POTEV33, POTEV4, POTEV5, POTEV6, POTEV7, POTEV8, POTEV9, PRAP1, PRB1, PRB2, PRB3, PRB4, PRC1, PRCC, PRCD, PRCF, 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, PRH1-TAS2R14, PRH2, PRICKLE1, PRICKLE2, PRICKLE3, PRICKLE4, PRIM1, PRIM2, PRIMA1, PRIMPOL, PRKAA1, PRKAA2, PRKAB1, PRKAB2, PRKACA, PRKACB, PRKACG, PRKAG1, PRKAG2, 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, PROB1, PROC, PROCA1, PROCR, PRODH, PRODH2, PROK1, PROK2, PROKR1, PROKR2, PROM1, PROM2, PROP1, PRORY, PROS1,

PROSER1, PROSER2, PROSER3, PROX1, PROX2, PROZ, PRPF18, PRPF19, PRPF3, PRPF31, PRPF38A, PRPF38B, PRPF39, PRPF4, PRPF40A, PRPF40B, PRPF4B, PRPF6, PRPF8, PRPH, PRPH2, PRPS1, PRPS1L1, PRPS2, PRPSAP1, PRPSAP2, PRR11, PRR12, PRR13, PRR14, PRR14L, PRR15, PRR15L, PRR16, PRR18, PRR19, PRR20A, PRR20B, PRR20C, PRR20D, PRR20E, PRR22, PRR23A, PRR23B, PRR23C, PRR23D1, PRR23D2, PRR25, PRR26, PRR27, PRR29, PRR3, PRR30, PRR31, PRR32, PRR35, PRR36, PRR4, PRR5, PRR5-ARHGAP8, PRR5L, PRR7, PRR9, PRRC1, PRRC2A, PRRC2B, PRRC2C, PRRG1, PRRG2, PRRG3, PRRG4, PRRT1, PRRT2, PRRT3, PRRT4, PRRX1, PRRX2, PRSS1, PRSS12, PRSS16, PRSS2, PRSS21, PRSS22, PRSS23, PRSS27, PRSS3, PRSS33, PRSS35, PRSS36, PRSS37, PRSS38, PRSS41, PRSS42, PRSS45, PRSS46P, PRSS47, PRSS48, PRSS50, PRSS53, PRSS54, PRSS55, PRSS56, PRSS57, PRSS58, PRSS8, PRTFDC1, PRTG, PRTN3, PRUNE1, PRUNE2, PRX, PRY, PRY2, PSAP, PSAPL1, PSAT1, PSCA, PSD, PSD2, PSD3, PSD4, PSEN1, PSEN2, PSENEEN, PSG1, 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, PSME4, PSMF1, PSMG1, PSMG2, PSMG3, PSMG4, PSORS1C1, PSORS1C2, PSPC1, PSPH, PSPN, PSRC1, PSTK, PSTPIP1, PSTPIP2, PTAFR, PTAR1, PTBP1, PTBP2, PTBP3, PTC1D1, PTC1D2, PTC1D3, PTCH1, PTCH2, PTCHD1, PTCHD3, PTCHD4, PTCRA, PTDS1, PTDS2, PTEN, PTER, PTF1A, PTGDR, PTGDR2, PTGDS, PTGER1, PTGER2, PTGER3, PTGER4, PTGES, PTGES2, PTGES3, PTGES3L, PTGFR, PTGFRN, PTGIR, PTGIS, PTGR1, PTGR2, PTGS1, PTGS2, PTH, PTH1R, PTH2, PTH2R, PTHLH, PTK2, PTK2B, PTK6, PTK7, PTMA, PTMS, PTN, PTOV1, 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, PVALEF, PVR, PVRIG, PWP1, PWP2, PWWP2A, PWWP2B, PXDC1, PXDN, PXDNL, PXK, PXMP2, PXMP4, PXN, PXT1, PXYLP1, PYCARD, PYCR1, PYCR2, PYCR3, PYDC1, PYDC2, PYDC5, PYGB, PYGL, PYGM, PYGO1, PYGO2, PYHIN1, PYM1, PYROXD1, PYROXD2, PYURF, PYY, PZP, QARS, QDPR, QKI, QPCT, QPCTL, QPRT, QRF, QRFPR, QRICH1, QRICH2, QRSL1, QSER1, QSOX1, QSOX2, QTRT1, QTRT2, R3HCC1, R3HCC1L, R3HDM1, R3HDM2, R3HDM4, R3HDM5, 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, RAB5A, RAB5B, RAB5C, RAB5F, RAB6A, RAB6B, RAB6C, RAB6D, RAB7A, RAB7B, 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, RAE1, RAET1E, 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, RARB, RARG, RARRES1, RARRES2, RARRES3, RARS, RARS2, RASA1, RASA2, RASA3, RASA4, RASA4B, RASAL1, RASAL2, RASAL3, RASD1, RASD2, RASEF, RASGEF1A, RASGEF1B, RASGEF1C, RASGRF1, RASGRF2, RASGRP1, RASGRP2, RASGRP3, RASGRP4, RASIP1, RASL10A, RASL10B, RASL11A, RASL11B, RASL12, RASSF1, RASSF10, RASSF2, RASSF3, RASSF4, RASSF5, RASSF6, RASSF7, RASSF8, RASSF9, RAVR1, RAVR2, RAX, RAX2, RB1, RB1CC1, RBAK, RBAK-RBAKDN, RBBP4, RBBP5, RBBP6, RBBP7, RBBP8, RBBP8NL, RBBP9, RBCK1, RBFA, RBFOX1, RBFOX2, RBFOX3, RBKS, RBL1,

RBL2, RBM10, RBM11, RBM12B, RBM14, 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, RBMY1B, RBMY1D, RBMY1E, RBMY1F, RBMY1J, 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, REELD1, 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, RESP18, REST, RET, RETN, RETNLB, RETREG1, RETREG2, RETREG3, RETSAT, REV1, REV3L, REX1BD, REXO1, REXO2, REXO4, REXO5, RFC1, RFC2, RFC3, RFC4, RFC5, RFESD, RFFL, RFK, RFLNA, RFLNB, RFNG, RFPL1, RFPL2, RFPL3, 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, RGPD1, RGPD2, RGPD3, RGPD4, RGPD5, RGPD6, RGPD8, 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, RHOXF2B, RHPN1, RHPN2, RIBC1, RIBC2, RIC1, RIC3, RIC8A, RIC8B, RICTOR, RIDA, RIF1, RIIAD1, RILP, RILPL1, RILPL2, RIMBP2, RIMBP3, RIMBP3B, RIMBP3C, RIMKLA, RIMKLB, 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, RLIM, RLN1, RLN2, RLN3, RMC1, RMDN1, RMDN2, RMDN3, RMI1, RMI2, RMND1, RMND5A, RMND5B, RMRP, RNASE1, RNASE10, RNASE11, RNASE12, RNASE13, RNASE2, RNASE3, RNASE4, RNASE6, RNASE7, RNASE8, RNASE9, RNASEH1, RNASEH2A, RNASEH2B, RNASEH2C, RNASEK, RNASEL, RNASET2, RND1, RND2, RND3, RNF10, RNF103, 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, RNF165, 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, RNF219, RNF220, RNF222, RNF223, RNF224, RNF225, RNF227, RNF24, RNF25, RNF26, RNF31, RNF32, RNF34, RNF38, RNF39, RNF4, RNF40, RNF41, RNF43, RNF44, RNF5, RNF6, RNF7, RNF8, RNFT1, RNFT2, RNGTT, RNH1, RNLS, RNMT, RNPC3, RNPEP, RNPEPL1, RNPS1, 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, RPL18, RPL18A, RPL19, RPL21, RPL22, RPL22L1, RPL23, RPL23A, RPL24, RPL26, RPL26L1, RPL27, RPL27A, RPL28, RPL29, RPL3, RPL30, RPL31, RPL32, RPL34, RPL35, RPL35A, RPL36, RPL36A, 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, RPP40, RPRD1A, RPRD1B, RPRD2, RPRM, RPRML, RPS10, RPS11, RPS12, RPS13, RPS14, RPS15, RPS15A, RPS16, RPS17, 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, RPSAP58, RPTN, RPTOR, RPUSD1, RPUSD2, RPUSD3, RPUSD4, RRAD, RRAGA, RRAGB, RRAGC, RRAGD, RRAS, RRAS2, RRBP1, RREB1, RRH, RRM1, RRM2, RRM2B, RRM3, RRNAD1, 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, 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, RUND1, RUND3A, RUND3B, RUNX1, RUNX1T1, RUNX2, RUNX3, RUSC1, RUSC1-AS1, RUSC2, RUVBL1, RUVBL2, RWDD1, RWDD2A, RWDD2B, RWDD3, RWDD4, RXFP1, RXFP2, RXFP3, RXFP4, RXRA, RXRB, RXRG, RXYLT1, 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, SAP130, SAP18, SAP25, SAP30, SAP30BP, SAP30L, SAPCD1, SAPCD2, SAR1A, SAR1B, SARAF, SARDH, SARM1, SARNP, SARS, SARS2, SART1, SART3, SASH1, SASH3, SASS6, SAT1, SAT2, SATB1, SATB2, SATL1, SAV1, SAXO1, SAXO2, SAYSD1, SBDS, SBF1, SBF2, SBK1, SBK2, SBK3, SBNO1, SBNO2, SBSN, SBSPON, SC5D, SCAF1, SCAF11, SCAF4, SCAF8, SCAI, SCAMP1, SCAMP2, SCAMP3, SCAMP4, SCAMP5, SCAND1, SCAP, SCAPER, SCARA3, SCARA5, SCARB1, SCARB2, SCARF1, SCARF2, SCCPDH, SCD, SCD5, SCEL, SCFD1, SCFD2, SCG2, SCG3, SCG5, SCGB1A1, SCGB1C1, SCGB1C2, SCGB1D1, SCGB1D2, SCGB1D4, SCGB2A1, SCGB2A2, SCGB2B2, SCGB3A1, SCGB3A2, SCGN, SCHIP1, SCIMP, SCIN, SCLT1, SCLY, SCMH1, 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, SCPEP1, SCRG1, SCRIB, SCR1, SCR2, SCR3, SCRT1, SCRT2, SCT, SCTR, SCUBE1, SCUBE2, SCUBE3, SCX, 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, SEC22A, SEC22B, 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, SEMA6B, SEMA6C, SEMA6D, SEMA7A, SEMG1, SEMG2, SENP1, SENP2, SENP3, SENP5, SENP6, SENP7, SENP8, SEPHS1, SEPHS2, SEPSECS, SEPT1, SEPT10, SEPT11, SEPT12, SEPT14, SEPT2, SEPT3, SEPT4, SEPT5, SEPT6, SEPT7, SEPT8, SEPT9, SERAC1, SERBP1, SERF1A, SERF1B, SERF2, SERGEF, SERHL2, SERINC1, SERINC2, SERINC3, SERINC4, SERINC5, SERP1, SERP2, SERPINA1, SERPINA10, SERPINA11, SERPINA12, 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, SERTM2, 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, 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, SH3TC1, SH3TC2, SH3YL1, SHANK1, SHANK2, SHANK3, SHARPIN, SHB, SHBG, SHC1, SHC2, SHC3, SHC4, SHCBP1, SHCBP1L, SHD, SHE, SHF, SHH, SHISA2, SHISA3, SHISA4, SHISA5, SHISA6, SHISA7, SHISA8, SHISA9, SHISAL1, SHISAL2A, SHISAL2B, SHKBP1, SHLD1,

SHLD2, SHMT1, SHMT2, 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, SIK1B, 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, SKIDA1, SKIL, SKIV2L, 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, 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, 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, SLC25A51, SLC25A52, SLC25A53, SLC25A6, SLC26A1, SLC26A10, SLC26A11, SLC26A2, SLC26A3, SLC26A4, 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, SLC35E2A, 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, 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, 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, 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, SLC9A3R1, SLC9A3R2, SLC9A4, SLC9A5, SLC9A6, SLC9A7, SLC9A8, SLC9A9, SLC9B1, SLC9B2, SLC9C1, SLC9C2, SLCO1A2, SLCO1B1, SLCO1B3, SLCO1B7, SLCO1C1, SLCO2A1, SLCO2B1, SLCO3A1, SLCO4A1, SLCO4C1, SLCO5A1, SLCO6A1, SLF1, SLF2, SLFN11, SLFN12, SLFN12L, SLFN13, SLFN14, SLFN5, SLFNL1, SLIRP, SLIT1, SLIT2, SLIT3, SLITRK1, SLITRK2, SLITRK3, SLITRK4, SLITRK5, SLITRK6, SLK, SLMAP, SLN, SLPI, SLTM, SLU7, SLURP1, SLURP2, SLX1A, SLX1B, SLX4, SLX4IP, SMAD1, SMAD2, SMAD3, SMAD4, SMAD5, SMAD6, SMAD7, SMAD9, SMAGP, SMAP1, SMAP2, SMARCA1, SMARCA2, SMARCA4, SMARCA5, 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, SMIM11A, SMIM11B, SMIM12, SMIM13, SMIM14, SMIM15, SMIM17, SMIM18, SMIM19, SMIM2, SMIM20, SMIM21, SMIM22, SMIM23, SMIM24, SMIM25, SMIM26, SMIM27, SMIM29, SMIM3, SMIM30, SMIM31, SMIM32, SMIM35, SMIM4, SMIM5, SMIM6, SMIM7, SMIM8, SMIM9, SMKR1, SMLR1, SMN1, SMN2, 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, SNIP1, SNN, SNORC, SNPH, SNRK, SNRNP200, SNRNP25, SNRNP27, SNRNP35, 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, SOGA1, SOGA3, 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, SPACA5, SPACA5B, SPACA6, SPACA7, SPACA9, SPAG1, SPAG11A, SPAG11B, SPAG16, SPAG17, SPAG4, SPAG5, SPAG6, SPAG7, SPAG8, SPAG9, SPAM1, SPANXA1, SPANXA2, SPANXB1, SPANXC, SPANXD, SPANXN1, SPANXN2, SPANXN3, SPANXN4, SPANXN5, SPARC, SPARCL1, SPART, SPAST, SPATA1, SPATA12, SPATA13, SPATA16, SPATA17, SPATA18, SPATA19, SPATA2, SPATA20, SPATA21, SPATA22, SPATA24, SPATA25, SPATA2L, SPATA3, SPATA31A1, SPATA31A3, SPATA31A5, SPATA31A6, SPATA31A7, SPATA31C1, SPATA31C2, SPATA31D1, SPATA31D3, SPATA31D4, SPATA31E1, SPATA32, SPATA33, SPATA4, SPATA45, SPATA46, SPATA48, SPATA5, SPATA5L1, SPATA6, SPATA6L, SPATA7, SPATA8, SPATA9, SPATC1, SPATC1L, SPATS1, SPATS2, SPATS2L, SPC24, SPC25, SPCS1, SPCS2, SPCS3, SPDEF, SPDL1, SPDYA, SPDYC, SPDYE1, SPDYE11, SPDYE16, SPDYE17, SPDYE18, SPDYE2, SPDYE2B, SPDYE3, SPDYE4, SPDYE5, SPDYE6, SPECC1, SPECC1L, SPEF1, SPEF2, SPEG, SPEM1, SPEM2, SPEN, SPERT, SPESP1, SPG11, SPG21, SPG7, SPHK1, SPHK2, SPHKAP, SPI1, SPIB, SPIC, SPICE1, SPIDR, SPIN1, SPIN2A, SPIN2B, SPIN3, SPIN4, SPINDOC, SPINK1, SPINK13, SPINK14, SPINK2, SPINK4, SPINK5, SPINK6, SPINK7, SPINK8, SPINK9, SPINT1, SPINT2, SPINT3, SPINT4, SPIRE1, SPIRE2, SPN, SPNS1, SPNS2, SPNS3, SPO11, SPOCD1, SPOCK1, SPOCK2, SPOCK3, SPON1, SPON2, SPOP, SPOPL, SPOUT1, SPP1, SPP2, SPPL2A, SPPL2B, SPPL2C, SPPL3, SPR, SPRED1, SPRED2, SPRED3, SPRN, SPRR1A, SPRR1B, SPRR2A, SPRR2B, SPRR2D, SPRR2E, SPRR2F, SPRR2G, SPRR3, SPRR4, SPRTN, SPRY1, SPRY2, SPRY3, SPRY4, SPRYD3, SPRYD4, SPRYD7, SPSB1, SPSB2, SPSB3, SPSB4, SPTA1, SPTAN1, SPTB, SPTBN1, SPTBN2, SPTBN4, SPTBN5, SPTLC1, SPTLC2, SPTLC3, SPTSSA, SPTSSB, SPTY2D1, SPTY2D1OS, SPX, SPZ1, SQLE, SQOR, SQSTM1, SRA1, SRARP, SRBD1, SRC, SRCAP, SRCIN1, SRD5A1, SRD5A2, SRD5A3, SREBF1, SREBF2, SREK1, SREK1IP1, SRF, SRFBP1, SRGAP1, SRGAP2, SRGAP2B, 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, SSPO, SSR1, SSR2, SSR3, SSR4, SSRP1, SSSCA1, SST, SSTR1, SSTR2, SSTR3, SSTR4, SSTR5, SSU72, SSUH2, SSX1, SSX2, SSX2B, SSX2IP, SSX3, SSX4, SSX4B, SSX5, SSX7, ST13, ST14, ST18, ST20, ST3GAL1, ST3GAL2, ST3GAL3, ST3GAL4, ST3GAL5, ST3GAL6, ST5, ST6GAL1, ST6GAL2, ST6GALNAC1, ST6GALNAC2, ST6GALNAC3, ST6GALNAC4, ST6GALNAC5, ST6GALNAC6, ST7, 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, STEAP4, STH, STIL, STIM1, STIM2, STIMATE, 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, STRIT1, STRN, STRN3, STRN4, STS, STT3A, STT3B, STUB1, STUM, STX10, STX11, STX12, STX16, STX17, STX18, STX19, STX1A, STX1B, STX2, STX3, STX4, STX5, STX6, STX7, STX8, STXBP1, STXBP2, STXBP3, STXBP4, STXBP5, STXBP5L, STXBP6, STYK1, STYX, STYXL1, SUB1, SUCLA2, SUCLG1, SUCLG2, SUCNR1, SUCO, SUDS3, SUFU, SUGCT, SUGP1, SUGP2, SUGT1, SULF1, SULF2, SULT1A1, SULT1A2, SULT1A3, SULT1A4, 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, SYNE2, SYNE3, SYNE4, SYNGAP1, SYNGR1, SYNGR2, SYNGR3, SYNGR4, SYNJ1, SYNJ2, SYNJ2BP, SYNM, SYNPO, SYNPO2, SYNPO2L, SYNPR, SYNRG, SYP, SYPL1, SYPL2, SYS1, 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, TAAR9, TAB1, TAB2, TAB3, TAC1, TAC3, TAC4, TACC1, TACC2, TACC3, TACO1, TACR1, TACR2, TACR3, TACSTD2, TADA1, TADA2A, TADA2B, TADA3, TAF1, TAF10, TAF11, TAF12, TAF13, TAF15, TAF1A, TAF1B, TAF1C, TAF1D, TAF1L, TAF2, TAF3, TAF4, TAF4B, TAF5, TAF5L, TAF6, TAF6L, TAF7, TAF7L, TAF8, TAF9, TAF9B, TAGAP, TAGLN, TAGLN2, TAGLN3, TAL1, TAL2, TALDO1, Jan-41, TANC1, TANC2, TANGO2, TANGO6, TANK, TAOK1, TAOK2, TAOK3, TAP1, TAP2, TAPBP, TAPBPL, TAPT1, TARBP1, TARBP2, TARDBP, TARM1, TARP, TARS, TARS2, TARSL2, TAS1R1, TAS1R2, TAS1R3, TAS2R1, TAS2R10, TAS2R13, TAS2R16, TAS2R19, TAS2R20, TAS2R3, TAS2R30, TAS2R31, TAS2R38, TAS2R39, TAS2R4, TAS2R40, TAS2R41, TAS2R42, TAS2R43, TAS2R46, TAS2R5, TAS2R50, TAS2R60, TAS2R7, TAS2R8, TAS2R9, TASP1, TAT, TATDN1, TATDN2, TATDN3, TAX1BP1, TAX1BP3, TAZ, TBATA, TBC1D1, TBC1D10A, TBC1D10B, TBC1D10C, TBC1D12, TBC1D13, TBC1D14, TBC1D15, TBC1D16, TBC1D17, TBC1D19, TBC1D2, TBC1D20, TBC1D21, TBC1D22A, TBC1D22B, TBC1D23, TBC1D24, TBC1D25, TBC1D26, TBC1D28, TBC1D29, TBC1D2B, TBC1D3, TBC1D30, TBC1D31, TBC1D32, TBC1D3B, TBC1D3C, TBC1D3D, TBC1D3E, TBC1D3F, TBC1D3G, TBC1D3H, TBC1D3I, TBC1D3J, TBC1D3K, TBC1D3L, TBC1D4, TBC1D5, TBC1D7, TBC1D8, TBC1D8B, TBC1D9, TBC1D9B, TBCA, TBCB, TBCC, TBCCD1, TBCD, TBCE, TBCEL, TBCK, TBK1, TBKBP1, TBL1X, TBL1XR1, TBL1Y, TBL2, TBL3, TBP, TBPL1, TBPL2, TBR1, TBRG1, TBRG4, TBX1, TBX10, TBX15, TBX18, TBX19, TBX2, TBX20, TBX21, TBX22, TBX3, TBX4, TBX5, TBX6, TBXA2R, TBXA51, TBXT, TC2N, TCAF1, TCAF2, TCAIM, TCAP, TCEA1, TCEA2, TCEA3, TCEAL1, TCEAL2, TCEAL3, TCEAL4, TCEAL5, TCEAL6, TCEAL7, TCEAL8, TCEAL9, TCEANC, TCEANC2, TCERG1, TCERG1L, TCF12, TCF15, TCF19, TCF20, TCF21, TCF23, TCF24, TCF25, TCF3, TCF4, TCF7, TCF7L1, TCF7L2, TCFL5, TCHH, TCHHL1, TCHP, TCIM, TCIRG1, TCL1A, TCL1B, TCN1, TCN2, TCOF1, TCP1, TCP10, TCP10L, TCP10L2, TCP11, TCP11L1, TCP11L2, TCP11X2, TCTA, TCTE1, TCTE3, TCTEX1D1, TCTEX1D2, TCTEX1D4, TCTN1, TCTN2, TCTN3, TDG, TDGF1, TDO2, TDP1, TDP2, TDRD1, TDRD10, TDRD12, TDRD15, TDRD3, TDRD5, TDRD6, TDRD7, TDRD9, TDRG1, TDRKH, TDRP, TEAD1, TEAD2, TEAD3, TEAD4, TEC, TECPR1, TECPR2, TECR, TECRL, TECTA, TECTB, TEDC1, TEDC2, TEDDM1, TEF, TEFM, TEK, TEK1, TEK2, TEK3, TEK4, TEK5, TELO2, TEN1, TENM1, TENM2, TENM3, TENM4, TENT2, TENT4A, TENT4B, TENT5A, TENT5B, TENT5C, TENT5D, TEP1, TEPP, TEPsin, TERB1, TERB2, TERC, TERF1, TERF2, TERF2IP, TERT, TES, TESC, TESK1, TESK2, TESMIN, TESP1, TET1, TET2, TET3, TEX10, TEX101, TEX11, TEX12, TEX13A, TEX13B, TEX13C, TEX13D, TEX14, TEX15, TEX19, TEX2, TEX22, TEX26, TEX261, TEX264, TEX28, TEX29, TEX30, TEX33, TEX35, TEX36, TEX37, TEX38, TEX43, TEX44, TEX45, TEX46, TEX47, TEX48, TEX49, TEX50, TEX51, TEX53, TEX9, TF, TFAM, TFAP2A, TFAP2B, TFAP2C, TFAP2D, TFAP2E, TFAP4, TFB1M, TFB2M, TFCP2,

TFCP2L1, TFDP1, TFDP2, TFDP3, TFE3, TFEB, TFEC, TFF1, TFF2, TFF3, TFG, TFIP11, TFPI, TFPI2, TFPT, TFR2, TFRC, TG, TGDS, TGFA, TGFB1, TGFB1I1, TGFB2, TGFB3, TGFB1, TGFB2, TGFB3, TGFB1, TGFB2, TGFB3, TGFB3L, TGFBRAP1, TGIF1, TGIF2, TGIF2LX, TGIF2LY, TGIF2-RAB5IF, TGM1, TGM2, TGM3, TGM4, TGM5, TGM6, TGM7, TGOLN2, TGS1, TH, THADA, THAP1, THAP10, THAP11, THAP12, THAP2, THAP3, THAP4, THAP5, THAP6, THAP7, THAP8, THAP9, THBD, THBS1, THBS2, THBS3, THBS4, THEG, THEG5, THEGL, THEM4, THEM5, THEM6, THEMIS, THEMIS2, THG1L, THNSL1, THNSL2, THOC1, THOC2, THOC3, THOC5, THOC6, THOC7, THOP1, THPO, THRA, THRAP3, THRB, THRSP, THSD1, THSD4, THSD7A, THSD7B, THTPA, THUMPD1, THUMPD2, THUMPD3, THY1, THYN1, TIA1, TIAF1, TIAL1, TIAM1, TIAM2, TICAM1, TICAM2, TICRR, TIE1, TIFA, TIFAB, TIGAR, TIGD2, TIGD3, TIGD4, TIGD5, TIGD6, TIGD7, TIGIT, TIMD4, TIMELESS, TIMM10, TIMM10B, TIMM13, TIMM17A, TIMM17B, TIMM21, TIMM22, TIMM23, TIMM23B, TIMM29, TIMM44, TIMM50, TIMM8A, TIMM8B, TIMM9, TIMMDC1, TIMP1, TIMP2, TIMP3, TIMP4, TINAG, TINAGL1, TINCR, TINF2, TIPARP, TIPIN, TIPRL, TIRAP, TJAP1, TJP1, TJP2, TJP3, TK1, TK2, TKFC, TKT, TKTL1, TKTL2, TLCD1, TLCD2, TLDC1, TLDC2, TLE1, TLE2, TLE3, TLE4, TLE6, TLK1, TLK2, TLL1, TLL2, TLN1, TLN2, TLNRD1, TLR1, TLR10, TLR2, TLR3, TLR4, TLR5, TLR6, TLR7, TLR8, TLR9, TLX1, TLX2, TLX3, TM2D1, TM2D2, TM2D3, TM4SF1, TM4SF18, TM4SF19, TM4SF20, TM4SF4, TM4SF5, TM6SF1, TM6SF2, TM7SF2, TM7SF3, TM9SF1, TM9SF2, TM9SF3, TM9SF4, TMA16, TMA7, TMBIM1, TMBIM4, TMBIM6, TMC1, TMC2, TMC3, TMC4, TMC5, TMC6, TMC7, TMC8, TMCC1, TMCC2, TMCC3, TMCO1, TMCO2, TMCO3, TMCO4, TMCO5A, TMCO6, TMED1, TMED10, TMED2, TMED3, TMED4, TMED5, TMED6, TMED7, TMED7-TICAM2, TMED8, TMED9, TMEFF1, TMEFF2, TMEM100, TMEM101, TMEM102, TMEM104, TMEM106A, TMEM106B, TMEM106C, TMEM107, TMEM108, TMEM109, TMEM11, TMEM114, TMEM115, TMEM116, TMEM117, TMEM119, TMEM120A, TMEM120B, TMEM121, TMEM121B, TMEM123, TMEM125, TMEM126A, TMEM126B, TMEM127, TMEM128, TMEM129, TMEM130, TMEM131, TMEM131L, TMEM132A, TMEM132B, TMEM132C, TMEM132D, TMEM132E, TMEM134, TMEM135, TMEM136, TMEM138, TMEM139, TMEM140, TMEM141, TMEM143, TMEM144, TMEM145, TMEM147, TMEM14A, TMEM14B, TMEM14C, TMEM150A, TMEM150B, TMEM150C, TMEM151A, TMEM151B, TMEM154, TMEM155, TMEM156, TMEM158, TMEM159, TMEM160, TMEM161A, TMEM161B, TMEM163, TMEM164, TMEM165, TMEM167A, TMEM167B, TMEM168, TMEM169, TMEM17, TMEM170A, TMEM170B, TMEM171, TMEM173, TMEM174, TMEM175, TMEM176A, TMEM176B, TMEM177, TMEM178A, TMEM178B, TMEM179, TMEM179B, TMEM18, TMEM181, TMEM182, TMEM183A, TMEM183B, TMEM184A, TMEM184B, TMEM184C, TMEM185A, TMEM185B, TMEM186, TMEM187, TMEM189, TMEM19, TMEM190, TMEM191B, TMEM191C, TMEM192, TMEM196, TMEM198, TMEM199, TMEM200A, TMEM200B, TMEM200C, TMEM201, TMEM202, TMEM203, TMEM204, TMEM205, TMEM206, TMEM207, TMEM208, TMEM209, TMEM210, TMEM211, TMEM212, TMEM213, TMEM214, TMEM215, TMEM216, TMEM217, TMEM218, TMEM219, TMEM220, TMEM221, TMEM222, TMEM223, TMEM225, TMEM225B, TMEM229A, TMEM229B, TMEM230, TMEM231, TMEM232, TMEM233, TMEM234, TMEM235, TMEM236, TMEM237, TMEM238, TMEM239, TMEM240, TMEM241, TMEM242, TMEM243, TMEM244, TMEM245, TMEM246, TMEM247, TMEM248, TMEM249, TMEM25, TMEM250, TMEM251, TMEM252, TMEM253, TMEM254, TMEM255A, TMEM255B, TMEM256, TMEM258, TMEM259, TMEM26, TMEM260, TMEM262, TMEM263, TMEM265, TMEM266, TMEM267, TMEM268, TMEM269, TMEM270, TMEM272, TMEM273, TMEM30A, TMEM30B, TMEM31, TMEM33, TMEM35A, TMEM35B, TMEM37, TMEM38A, TMEM38B, TMEM39A, TMEM39B, TMEM40, TMEM41A, TMEM41B, TMEM42, TMEM43, TMEM44, TMEM45A, TMEM45B, TMEM47, TMEM50A, TMEM50B, TMEM51, TMEM52, TMEM52B, TMEM53, TMEM54, TMEM56, TMEM56-RWDD3, TMEM59, TMEM59L, TMEM60, TMEM61, TMEM62, TMEM63A, TMEM63B, TMEM63C, TMEM64, TMEM65, TMEM67, TMEM68, TMEM69, TMEM70, TMEM71, TMEM72, TMEM74, TMEM74B, TMEM79, TMEM80, TMEM81, TMEM82, TMEM86A, TMEM86B, TMEM87A, TMEM87B, TMEM88, TMEM88B, TMEM89, TMEM8A, TMEM8B, TMEM9, TMEM91, TMEM92, TMEM94, TMEM95, TMEM97, TMEM98, TMEM99, 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, 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, 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, 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, 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, TP53TG3E, TP53TG3F, 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, TPPP, TPPP2, TPPP3, TPR, TPRA1, TPRG1, TPRG1L, TPRKB, TPRN, TPRX1, TPSAB1, TPSB2, TPSD1, TSPG1, TPST1, TPST2, TPT1, TPTE, TPTE2, TPX2, TRA2A, TRA2B, TRABD, TRABD2A, TRABD2B, TRADD, TRAF1, TRAF2, TRAF3, TRAF3IP1, TRAF3IP2, TRAF3IP3, TRAF4, TRAF5, TRAF6, TRAF7, TRAFD1, TRAIIP, TRAK1, TRAK2, TRAM1, TRAM1L1, TRAM2, TRANK1, TRAP1, TRAPPC1, TRAPPC10, TRAPPC11, TRAPPC12, TRAPPC13, TRAPPC2, TRAPPC2B, TRAPPC2L, TRAPPC3, TRAPPC3L, TRAPPC4, TRAPPC5, TRAPPC6A, TRAPPC6B, TRAPPC8, TRAPPC9, TRARG1, TRAT1, TRDMT1, TRDN, TREH, TREM1, TREM2, TREML1, TREML2, TREML4, TRERF1, TREX1, TREX2, TRH, TRHDE, TRHR, TRIAP1, TRIB1, TRIB2, TRIB3, TRIL, TRIM10, TRIM11, TRIM13, TRIM14, TRIM15, TRIM16, TRIM16L, TRIM17, TRIM2, TRIM21, TRIM22, TRIM23, TRIM24, TRIM25, TRIM26, TRIM27, TRIM28, TRIM29, TRIM3, TRIM31, TRIM32, TRIM33, TRIM34, TRIM35, TRIM36, TRIM37, TRIM38, TRIM39, TRIM39-RPP21, TRIM4, TRIM40, TRIM41, TRIM42, TRIM43, TRIM43B, TRIM44, TRIM45, TRIM46, TRIM47, TRIM48, TRIM49, TRIM49B, TRIM49C, TRIM49D1, TRIM49D2, TRIM5, TRIM50, TRIM51, TRIM51GP, TRIM52, TRIM54, TRIM55, TRIM56, TRIM58, TRIM59, TRIM6, TRIM60, TRIM61, TRIM62, TRIM63, TRIM64, TRIM64B, TRIM64C, TRIM65, TRIM66, TRIM67, TRIM68, TRIM69, TRIM6-TRIM34, TRIM7, TRIM71, TRIM72, TRIM73, TRIM74, TRIM77, TRIM8, TRIM9, TRIML1, TRIML2, TRIO, TRIOBP, TRIP10, TRIP11, TRIP12, TRIP13, TRIP4, TRIP6, TRIQK, TRIR, TRIT1, TRMO, TRMT1, TRMT10A, TRMT10B, TRMT10C, TRMT11, TRMT112, TRMT12, TRMT13, TRMT1L, TRMT2A, TRMT2B, TRMT44, TRMT5, TRMT6, TRMT61A, TRMT61B, TRMT9B, TRMU, TRNAU1AP, TRNP1, TRNT1, TRO, TROAP, TROVE2, TRPA1, TRPC1, TRPC3, TRPC4, TRPC4AP, TRPC5, TRPC5OS, TRPC6, TRPC7, TRPM1, TRPM2, TRPM3, TRPM4, TRPM5, TRPM6, TRPM7, TRPM8, TRPS1, TRPT1, TRPV1, TRPV2, TRPV3, TRPV4, TRPV5, TRPV6, TRRAP, TRUB1, TRUB2, TSACC, TSC1, TSC2, TSC22D1, TSC22D2, TSC22D3, TSC22D4, TSEN15, TSEN2, TSEN34, TSEN54, TSFM, TSG101, TSGA10, TSGA10IP, TSGA13, TSHB, TSHR, TSHZ1, TSHZ2, TSHZ3, TSKS, TSKU, TSLP, TSN, TSNARE1, TSNAX, TSNAXIP1, TSPAN1, TSPAN10, TSPAN11, TSPAN12, TSPAN13, TSPAN14, TSPAN15, TSPAN16, TSPAN17, TSPAN18, TSPAN19, TSPAN2, TSPAN3, TSPAN31, TSPAN32, TSPAN33, TSPAN4, TSPAN5, TSPAN6, TSPAN7, TSPAN8, TSPAN9, TSPEAR, TSPO, TSPO2, TSPOAP1, TSPY1, TSPY10, TSPY2, TSPY3, TSPY4, TSPY8, TSPYL1, TSPYL2, TSPYL4, TSPYL5, TSPYL6, TSR1, TSR2, TSR3, TSSC4, TSSK1B, TSSK2, TSSK3, TSSK4, TSSK6, TST, TSTA3, TSTD1, TSTD2, TSTD3, TTBK1, TTBK2, TTC1, TTC12, TTC13, TTC14, TTC16, TTC17, TTC19, TTC21A, TTC21B, TTC22, TTC23, TTC23L, TTC24, TTC25, TTC26, TTC27, TTC28, TTC29, TTC3, TTC30A, TTC30B, TTC31, TTC32, TTC33, TTC34, TTC36, TTC37, TTC38, TTC39A, TTC39B, TTC39C, TTC4, TTC5, TTC6, TTC7A, TTC7B, TTC8, TTC9, TTC9B, TTC9C, TTF1, TTF2, TTI1, TTI2, TTK, TTL, TTL1, TTL10, TTL11, TTL12, TTL2, TTL3, TTL4, TTL5, TTL6, TTL7, TTL8, TTL9, TTN, TTPA, TTPAL, TTR, TTYH1, TTYH2, TTYH3, TUB, TUBA1A, TUBA1B, TUBA1C, TUBA3C, TUBA3D, TUBA3E, TUBA4A, TUBA4B, TUBA8, TUBAL3, TUBB, TUBB1, TUBB2A, TUBB2B, TUBB3, TUBB4A, TUBB4B, TUBB6, TUBB8, TUBB8P12, TUBD1, TUBE1, TUBG1, TUBG2, TUBGCP2, TUBGCP3, TUBGCP4, TUBGCP5, TUBGCP6, TUFM, TUFT1, TULP1, TULP2, TULP3, TULP4, TUSC1, TUSC2, TUSC3, TUT1,

TUT4, TUT7, TVP23A, TVP23B, TVP23C, TVP23C-CDRT4, TWF1, TWF2, TWIST1, TWIST2, TWISTNB, TWNK, TWSG1, TXK, TXLNA, TXLNB, TXLNG, TXN, TXN2, TXNDC11, TXNDC12, TXNDC15, TXNDC16, TXNDC17, TXNDC2, TXNDC5, TXNDC8, TXNDC9, TXNIP, TXNL1, TXNL4A, TXNL4B, TXNRD1, TXNRD2, TXNRD3, TYK2, TYMP, TYMS, TYMSOS, TYR, TYRO3, TYROBP, TYRP1, TYSND1, TYW1, TYW1B, TYW3, TYW5, U2AF1, U2AF1L4, U2AF1L5, U2AF2, U2SURP, UACA, UAP1, UAP1L1, UBA1, UBA2, UBA3, UBA5, UBA52, UBA6, UBA7, UBAC1, UBAC2, UBALD1, UBALD2, UBAP1, UBAP1L, UBAP2, UBAP2L, UBASH3A, UBASH3B, UBB, UBC, UBD, UBE2A, UBE2B, UBE2C, UBE2D1, UBE2D2, UBE2D3, UBE2D4, UBE2E1, UBE2E2, UBE2E3, UBE2F, UBE2G1, UBE2G2, UBE2H, UBE2I, UBE2J1, UBE2J2, UBE2K, UBE2L3, UBE2L5, UBE2L6, UBE2M, UBE2N, UBE2O, UBE2Q1, UBE2Q2, UBE2Q2L, UBE2QL1, UBE2R2, UBE2S, UBE2T, UBE2U, UBE2V1, UBE2V2, UBE2W, UBE2Z, UBE3A, UBE3B, UBE3C, UBE3D, UBE4A, UBE4B, UBF1, UBIAD1, UBL3, UBL4A, UBL4B, UBL5, UBL7, UBLCP1, UBN1, UBN2, UBOX5, UBP1, UBQLN1, UBQLN2, UBQLN3, UBQLN4, UBQLNL, UBR1, UBR2, UBR3, UBR4, UBR5, UBR7, UBTD1, UBTD2, UBTF, UBTF1, UBXN1, UBXN10, UBXN11, UBXN2A, UBXN2B, UBXN4, UBXN6, UBXN7, UBXN8, UCHL1, UCHL3, UCHL5, UCK1, UCK2, UCKL1, UCMA, UCN, UCN2, UCN3, UCP1, UCP2, UCP3, UEVLD, UFC1, UFD1, UFL1, UFM1, UFSP1, UFSP2, UGCG, UGDH, UGGT1, UGGT2, UGP2, UGT1A1, UGT1A10, UGT1A3, UGT1A4, UGT1A5, UGT1A6, UGT1A7, UGT1A8, UGT1A9, UGT2A1, UGT2A2, UGT2A3, UGT2B10, UGT2B11, UGT2B15, UGT2B17, UGT2B28, UGT2B4, UGT2B7, UGT3A1, UGT3A2, UGT8, UHMK1, UHRF1, UHRF1BP1, UHRF1BP1L, 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, UPK1B, UPK2, UPK3A, UPK3B, UPK3BL1, UPK3BL2, UPP1, UPP2, UPRT, UQCC1, UQCC2, UQCC3, UQCR10, UQCR11, UQCRB, UQCRC1, UQCRC2, UQCRCFS1, UQCRCR, UQCRCRHL, UQCRCRQ, URAD, URB1, URB2, URGCP, 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, USP17L11, USP17L12, USP17L13, USP17L15, USP17L17, USP17L18, USP17L19, USP17L2, USP17L20, USP17L21, USP17L22, USP17L24, USP17L25, USP17L26, USP17L27, USP17L28, USP17L29, USP17L3, USP17L30, USP17L4, USP17L5, USP17L7, USP17L8, USP18, USP19, USP2, USP20, USP21, USP22, USP24, USP25, USP26, USP27X, USP28, USP29, USP3, USP30, USP31, USP32, USP33, USP34, USP35, USP36, USP37, USP38, USP39, USP4, USP40, USP41, 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, VAC14, VAMP1, VAMP2, VAMP3, VAMP4, VAMP5, VAMP7, VAMP8, VANGL1, VANGL2, VAPA, VAPB, VARS, VARS2, VASH1, VASH2, VASN, VASP, VAT1, VAT1L, VAV1, VAV2, VAV3, VAX1, VAX2, VBP1, VCAM1, VCAN, VCL, VCP, VCP1P1, VCPKMT, VCX, VCX2, VCX3A, VCX3B, VCY, 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, VIPR2, VIRMA, VIT, VKORC1, VKORC1L1, VLDLR, VMA21, VMAC, VMO1, VMP1, VN1R1, VN1R2, VN1R3, VN1R4, VN1R5, VNN1, VNN2, VNN3, VOPP1, VP1R1, VP1R2, VP1R3, VP1R4, VP1R5, VP1R6, VP1R7, VP1R8, VP1R9, VP1R10, VP1R11, VP1R12, VP1R13, VP1R14, VP1R15, VP1R16, VP1R17, VP1R18, VP1R19, VP1R20, VP1R21, VP1R22, VP1R23, VP1R24, VP1R25, VP1R26, VP1R27, VP1R28, VP1R29, VP1R30, VP1R31, VP1R32, VP1R33, VP1R34, VP1R35, VP1R36, VP1R37, VP1R38, VP1R39, VP1R40, VP1R41, VP1R42, VP1R43, VP1R44, VP1R45, VP1R46, VP1R47, VP1R48, VP1R49, VP1R50, VP1R51, VP1R52, VP1R53, VP1R54, VP1R55, VP1R56, VP1R57, VP1R58, VP1R59, VP1R60, VP1R61, VP1R62, VP1R63, VP1R64, VP1R65, VP1R66, VP1R67, VP1R68, VP1R69, VP1R70, VP1R71, VP1R72, VP1R73, VP1R74, VP1R75, VP1R76, VP1R77, VP1R78, VP1R79, VP1R80, VP1R81, VP1R82, VP1R83, VP1R84, VP1R85, VP1R86, VP1R87, VP1R88, VP1R89, VP1R90, VP1R91, VP1R92, VP1R93, VP1R94, VP1R95, VP1R96, VP1R97, VP1R98, VP1R99, VP1R100, VP1R101, VP1R102, VP1R103, VP1R104, VP1R105, VP1R106, VP1R107, VP1R108, VP1R109, VP1R110, VP1R111, VP1R112, VP1R113, VP1R114, VP1R115, VP1R116, VP1R117, VP1R118, VP1R119, VP1R120, VP1R121, VP1R122, VP1R123, VP1R124, VP1R125, VP1R126, VP1R127, VP1R128, VP1R129, VP1R130, VP1R131, VP1R132, VP1R133, VP1R134, VP1R135, VP1R136, VP1R137, VP1R138, VP1R139, VP1R140, VP1R141, VP1R142, VP1R143, VP1R144, VP1R145, VP1R146, VP1R147, VP1R148, VP1R149, VP1R150, VP1R151, VP1R152, VP1R153, VP1R154, VP1R155, VP1R156, VP1R157, VP1R158, VP1R159, VP1R160, VP1R161, VP1R162, VP1R163, VP1R164, VP1R165, VP1R166, VP1R167, VP1R168, VP1R169, VP1R170, VP1R171, VP1R172, VP1R173, VP1R174, VP1R175, VP1R176, VP1R177, VP1R178, VP1R179, VP1R180, VP1R181, VP1R182, VP1R183, VP1R184, VP1R185, VP1R186, VP1R187, VP1R188, VP1R189, VP1R190, VP1R191, VP1R192, VP1R193, VP1R194, VP1R195, VP1R196, VP1R197, VP1R198, VP1R199, VP1R200, VP1R201, VP1R202, VP1R203, VP1R204, VP1R205, VP1R206, VP1R207, VP1R208, VP1R209, VP1R210, VP1R211, VP1R212, VP1R213, VP1R214, VP1R215, VP1R216, VP1R217, VP1R218, VP1R219, VP1R220, VP1R221, VP1R222, VP1R223, VP1R224, VP1R225, VP1R226, VP1R227, VP1R228, VP1R229, VP1R230, VP1R231, VP1R232, VP1R233, VP1R234, VP1R235, VP1R236, VP1R237, VP1R238, VP1R239, VP1R240, VP1R241, VP1R242, VP1R243, VP1R244, VP1R245, VP1R246, VP1R247, VP1R248, VP1R249, VP1R250, VP1R251, VP1R252, VP1R253, VP1R254, VP1R255, VP1R256, VP1R257, VP1R258, VP1R259, VP1R260, VP1R261, VP1R262, VP1R263, VP1R264, VP1R265, VP1R266, VP1R267, VP1R268, VP1R269, VP1R270, VP1R271, VP1R272, VP1R273, VP1R274, VP1R275, VP1R276, VP1R277, VP1R278, VP1R279, VP1R280, VP1R281, VP1R282, VP1R283, VP1R284, VP1R285, VP1R286, VP1R287, VP1R288, VP1R289, VP1R290, VP1R291, VP1R292, VP1R293, VP1R294, VP1R295, VP1R296, VP1R297, VP1R298, VP1R299, VP1R300, VP1R301, VP1R302, VP1R303, VP1R304, VP1R305, VP1R306, VP1R307, VP1R308, VP1R309, VP1R310, VP1R311, VP1R312, VP1R313, VP1R314, VP1R315, VP1R316, VP1R317, VP1R318, VP1R319, VP1R320, VP1R321, VP1R322, VP1R323, VP1R324, VP1R325, VP1R326, VP1R327, VP1R328, VP1R329, VP1R330, VP1R331, VP1R332, VP1R333, VP1R334, VP1R335, VP1R336, VP1R337, VP1R338, VP1R339, VP1R340, VP1R341, VP1R342, VP1R343, VP1R344, VP1R345, VP1R346, VP1R347, VP1R348, VP1R349, VP1R350, VP1R351, VP1R352, VP1R353, VP1R354, VP1R355, VP1R356, VP1R357, VP1R358, VP1R359, VP1R360, VP1R361, VP1R362, VP1R363, VP1R364, VP1R365, VP1R366, VP1R367, VP1R368, VP1R369, VP1R370, VP1R371, VP1R372, VP1R373, VP1R374, VP1R375, VP1R376, VP1R377, VP1R378, VP1R379, VP1R380, VP1R381, VP1R382, VP1R383, VP1R384, VP1R385, VP1R386, VP1R387, VP1R388, VP1R389, VP1R390, VP1R391, VP1R392, VP1R393, VP1R394, VP1R395, VP1R396, VP1R397, VP1R398, VP1R399, VP1R400, VP1R401, VP1R402, VP1R403, VP1R404, VP1R405, VP1R406, VP1R407, VP1R408, VP1R409, VP1R410, VP1R411, VP1R412, VP1R413, VP1R414, VP1R415, VP1R416, VP1R417, VP1R418, VP1R419, VP1R420, VP1R421, VP1R422, VP1R423, VP1R424, VP1R425, VP1R426, VP1R427, VP1R428, VP1R429, VP1R430, VP1R431, VP1R432, VP1R433, VP1R434, VP1R435, VP1R436, VP1R437, VP1R438, VP1R439, VP1R440, VP1R441, VP1R442, VP1R443, VP1R444, VP1R445, VP1R446, VP1R447, VP1R448, VP1R449, VP1R450, VP1R451, VP1R452, VP1R453, VP1R454, VP1R455, VP1R456, VP1R457, VP1R458, VP1R459, VP1R460, VP1R461, VP1R462, VP1R463, VP1R464, VP1R465, VP1R466, VP1R467, VP1R468, VP1R469, VP1R470, VP1R471, VP1R472, VP1R473, VP1R474, VP1R475, VP1R476, VP1R477, VP1R478, VP1R479, VP1R480, VP1R481, VP1R482, VP1R483, VP1R484, VP1R485, VP1R486, VP1R487, VP1R488, VP1R489, VP1R490, VP1R491, VP1R492, VP1R493, VP1R494, VP1R495, VP1R496, VP1R497, VP1R498, VP1R499, VP1R500, VP1R501, VP1R502, VP1R503, VP1R504, VP1R505, VP1R506, VP1R507, VP1R508, VP1R509, VP1R510, VP1R511, VP1R512, VP1R513, VP1R514, VP1R515, VP1R516, VP1R517, VP1R518, VP1R519, VP1R520, VP1R521, VP1R522, VP1R523, VP1R524, VP1R525, VP1R526, VP1R527, VP1R528, VP1R529, VP1R530, VP1R531, VP1R532, VP1R533, VP1R534, VP1R535, VP1R536, VP1R537, VP1R538, VP1R539, VP1R540, VP1R541, VP1R542, VP1R543, VP1R544, VP1R545, VP1R546, VP1R547, VP1R548, VP1R549, VP1R550, VP1R551, VP1R552, VP1R553, VP1R554, VP1R555, VP1R556, VP1R557, VP1R558, VP1R559, VP1R560, VP1R561, VP1R562, VP1R563, VP1R564, VP1R565, VP1R566, VP1R567, VP1R568, VP1R569, VP1R570, VP1R571, VP1R572, VP1R573, VP1R574, VP1R575, VP1R576, VP1R577, VP1R578, VP1R579, VP1R580, VP1R581, VP1R582, VP1R583, VP1R584, VP1R585, VP1R586, VP1R587, VP1R588, VP1R589, VP1R590, VP1R591, VP1R592, VP1R593, VP1R594, VP1R595, VP1R596, VP1R597, VP1R598, VP1R599, VP1R600, VP1R601, VP1R602, VP1R603, VP1R604, VP1R605, VP1R606, VP1R607, VP1R608, VP1R609, VP1R610, VP1R611, VP1R612, VP1R613, VP1R614, VP1R615, VP1R616, VP1R617, VP1R618, VP1R619, VP1R620, VP1R621, VP1R622, VP1R623, VP1R624, VP1R625, VP1R626, VP1R627, VP1R628, VP1R629, VP1R630, VP1R631, VP1R632, VP1R633, VP1R634, VP1R635, VP1R636, VP1R637, VP1R638, VP1R639, VP1R640, VP1R641, VP1R642, VP1R643, VP1R644, VP1R645, VP1R646, VP1R647, VP1R648, VP1R649, VP1R650, VP1R651, VP1R652, VP1R653, VP1R654, VP1R655, VP1R656, VP1R657, VP1R658, VP1R659, VP1R660, VP1R661, VP1R662, VP1R663, VP1R664, VP1R665, VP1R666, VP1R667, VP1R668, VP1R669, VP1R670, VP1R671, VP1R672, VP1R673, VP1R674, VP1R675, VP1R676, VP1R677, VP1R678, VP1R679, VP1R680, VP1R681, VP1R682, VP1R683, VP1R684, VP1R685, VP1R686, VP1R687, VP1R688, VP1R689, VP1R690, VP1R691, VP1R692, VP1R693, VP1R694, VP1R695, VP1R696, VP1R697, VP1R698, VP1R699, VP1R700, VP1R701, VP1R702, VP1R703, VP1R704, VP1R705, VP1R706, VP1R707, VP1R708, VP1R709, VP1R710, VP1R711, VP1R712, VP1R713, VP1R714, VP1R715, VP1R716, VP1R717, VP1R718, VP1R719, VP1R720, VP1R721, VP1R722, VP1R723, VP1R724, VP1R725, VP1R726, VP1R727, VP1R728, VP1R729, VP1R730, VP1R731, VP1R732, VP1R733, VP1R734, VP1R735, VP1R736, VP1R737, VP1R738, VP1R739, VP1R740, VP1R741, VP1R742, VP1R743, VP1R744, VP1R745, VP1R746, VP1R747, VP1R748, VP1R749, VP1R750, VP1R751, VP1R752, VP1R753, VP1R754, VP1R755, VP1R756, VP1R757, VP1R758, VP1R759, VP1R760, VP1R761, VP1R762, VP1R763, VP1R764, VP1R765, VP1R766, VP1R767, VP1R768, VP1R769, VP1R770, VP1R771, VP1R772, VP1R773, VP1R774, VP1R775, VP1R776, VP1R777, VP1R778, VP1R779, VP1R780, VP1R781, VP1R782, VP1R783, VP1R784, VP1R785, VP1R786, VP1R787, VP1R788, VP1R789, VP1R790, VP1R791, VP1R792, VP1R793, VP1R794, VP1R795, VP1R796, VP1R797, VP1R798, VP1R799, VP1R800, VP1R801, VP1R802, VP1R803, VP1R804, VP1R805, VP1R806, VP1R807, VP1R808, VP1R809, VP1R810, VP1R811, VP1R812, VP1R813, VP1R814, VP1R815, VP1R816, VP1R817, VP1R818, VP1R819, VP1R820, VP1R821, VP1R822, VP1R823, VP1R824, VP1R825, VP1R826, VP1R827, VP1R828, VP1R829, VP1R830, VP1R831, VP1R832, VP1R833, VP1R834, VP1R835, VP1R836, VP1R837, VP1R838, VP1R839, VP1R840, VP1R841, VP1R842, VP1R843, VP1R844, VP1R845, VP1R846, VP1R847, VP1R848, VP1R849, VP1R850, VP1R851, VP1R852, VP1R853, VP1R854, VP1R855, VP1R856, VP1R857, VP1R858, VP1R859, VP1R860, VP1R861, VP1R862, VP1R863, VP1R864, VP1R865, VP1R866, VP1R867, VP1R868, VP1R869, VP1R870, VP1R871, VP1R872, VP1R873, VP1R874, VP1R875, VP1R876, VP1R877, VP1R878, VP1R879, VP1R880, VP1R881, VP1R882, VP1R883, VP1R884, VP1R885, VP1R886, VP1R887, VP1R888, VP1R889, VP1R890, VP1R891, VP1R892, VP1R893, VP1R894, VP1R895, VP1R896, VP1R897, VP1R898, VP1R899, VP1R900, VP1R901, VP1R902, VP1R903, VP1R904, VP1R905, VP1R906, VP1R907, VP1R908, VP1R909, VP1R910, VP1R911, VP1R912, VP1R913, VP1R914, VP1R915, VP1R916, VP1R917, VP1R918, VP1R919, VP1R920, VP1R921, VP1R922, VP1R923, VP1R924, VP1R925, VP1R926, VP1R927, VP1R928, VP1R929, VP1R930, VP1R931, VP1R932, VP1R933, VP1R934, VP1R935, VP1R936, VP1R937, VP1R938, VP1R939, VP1R940, VP1R941, VP1R942, VP1R943, VP1R944, VP1R945, VP1R946, VP1R947, VP1R948, VP1R949, VP1R950, VP1R951, VP1R952, VP1R953, VP1R954, VP1R955, VP1R956, VP1R957, VP1R958, VP1R959, VP1R960, VP1R961, VP1R962, VP1R963, VP1R964, VP1R965, VP1R966, VP1R967, VP1R968, VP1R969, VP1R970, VP1R971, VP1R972, VP1R973, VP1R974, VP1R975, VP1R976, VP1R977, VP1R978, VP1R979, VP1R980, VP1R981, VP1R982, VP1R983, VP1R984, VP1R985, VP1R986, VP1R987, VP1R988, VP1R989, VP1R990, VP1R991, VP1R992, VP1R993, VP1R994, VP1R995, VP1R996, VP1R997, VP1R998, VP1R999, VP1R1000, WDFY1, WDFY2, WDFY3, WDFY4, WDHD1, WDPCP, WDR1, WDR11, WDR12, WDR13, WDR17, WDR18, WDR19, WDR20, WDR24, WDR25, WDR26, WDR27, WDR3, WDR31, WDR33, WDR34, WDR35, WDR36, WDR37, WDR38, WDR4, WDR41, WDR43, WDR44, WDR45, WDR45B, WDR46, WDR47, WDR48, WDR49, WDR5, WDR53, WDR54, WDR55, WDR59, WDR5B, WDR6, WDR60, WDR61, WDR62, WDR63, WDR64,

WDR66, WDR7, WDR70, WDR72, WDR73, WDR74, WDR75, WDR76, WDR77, WDR78, WDR81, WDR82, WDR83, WDR83OS, WDR86, WDR87, WDR88, WDR89, WDR90, WDR91, WDR92, WDR93, WDR97, WDSUB1, WDTC1, WDYHV1, WEE1, WEE2, WFDC1, WFDC10A, WFDC10B, WFDC11, WFDC12, WFDC13, WFDC2, WFDC3, WFDC5, WFDC6, WFDC8, WFDC9, WFIKKN1, WFIKKN2, WFS1, WHAMM, WHRN, WI2-2373I1.2, WIF1, WIPF1, WIPF2, WIPF3, WIPI1, WIPI2, WISP1, WISP2, WISP3, 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, WRB, WRN, WRNIP1, WSB1, WSB2, WSCD1, WSCD2, WT1, WTAP, WTIP, WWC1, WWC2, WWC3, WWOX, WWP1, WWP2, WWTR1, XAB2, XAF1, XAGE1A, XAGE1B, XAGE2, XAGE3, XAGE5, XBP1, XCL1, XCL2, XCR1, XDH, XG, XIAP, XIRP1, XIRP2, XK, XKR3, XKR4, XKR5, XKR6, XKR7, XKR8, XKR9, XKRX, XKRY, XKRY2, XPA, XPC, XPNPEP1, XPNPEP2, XPNPEP3, XPO1, XPO4, XPO5, XPO6, XPO7, XPOT, XPR1, XRCC1, XRCC2, XRCC3, XRCC4, XRCC5, XRCC6, XRN1, XRN2, XRAA1, XXYLT1, XYLB, XYLT1, XYLT2, YAE1, YAF2, YAP1, YARS, YARS2, YBEY, YBX1, YBX2, YBX3, YDJC, YEATS2, YEATS4, YES1, YIF1A, YIF1B, YIPF1, YIPF2, YIPF3, YIPF4, YIPF5, YIPF6, YIPF7, YJEFN3, YJU2, YKT6, YLPM1, YME1L1, YOD1, YPEL1, YPEL2, YPEL3, YPEL4, YPEL5, YRDC, YTHDC1, YTHDC2, YTHDF1, YTHDF2, YTHDF3, YWHAB, YWHAE, YWHAG, YWHAH, YWHAQ, YWHAZ, YY1, YY1AP1, YY2, ZACN, ZADH2, ZAN, ZAP70, ZAR1, ZAR1L, ZBBX, ZBED1, ZBED2, ZBED3, ZBED4, ZBED5, ZBED6, ZBED6CL, ZBED8, ZBED9, ZBP1, ZBTB1, ZBTB10, ZBTB11, ZBTB12, ZBTB14, ZBTB16, ZBTB17, ZBTB18, ZBTB2, ZBTB20, 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, ZC3H11B, 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, ZCCHC23, ZCCHC24, ZCCHC3, ZCCHC4, ZCCHC7, ZCCHC8, ZCCHC9, ZCRB1, ZCWPW1, ZCWPW2, ZDBF2, ZDHHC1, ZDHHC11, ZDHHC11B, 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, ZFC3H1, ZFHX2, ZFHX3, ZFHX4, ZFP1, ZFP14, ZFP2, ZFP28, ZFP3, ZFP30, ZFP36, ZFP36L1, ZFP36L2, ZFP37, ZFP41, ZFP42, ZFP57, ZFP62, ZFP64, ZFP69, ZFP69B, ZFP82, ZFP90, ZFP91, ZFP92, ZFPL1, ZFPM1, ZFPM2, ZFR, ZFR2, 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, 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, ZNF140, 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, ZNF207, ZNF208, ZNF211, ZNF212, ZNF213, ZNF214, ZNF215, ZNF217, ZNF219, ZNF22, 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, ZNF26, ZNF260, ZNF263, ZNF264, ZNF266, ZNF267, ZNF268, ZNF273, ZNF274, ZNF275, ZNF276, ZNF277, ZNF28, ZNF280A, ZNF280B, ZNF280C, ZNF280D, ZNF281, ZNF282, ZNF283, ZNF284, ZNF285, ZNF286A, ZNF286B, ZNF287, ZNF292, ZNF296, ZNF3, ZNF30, ZNF300, ZNF302, ZNF304, ZNF311, ZNF316, ZNF317, ZNF318, ZNF319, ZNF32, ZNF320, ZNF322, 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, 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, ZNF605, 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, ZNF66, 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, ZNF705B, ZNF705D, ZNF705E, ZNF705G, ZNF706, ZNF707, ZNF708, ZNF709, ZNF71, ZNF710, ZNF711, ZNF713, ZNF714, ZNF716, ZNF717, ZNF718, ZNF720, ZNF721, ZNF723, ZNF724, ZNF726, ZNF727, ZNF728, ZNF729, ZNF730, ZNF732, ZNF735, ZNF736, ZNF737, ZNF738, 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, ZNF791, ZNF792, ZNF793, ZNF799, ZNF8, ZNF80, ZNF800, ZNF804A, ZNF804B, ZNF805, ZNF806, ZNF808, ZNF81, ZNF813, ZNF814, ZNF816, ZNF816-ZNF321P, ZNF821, ZNF823, ZNF827, ZNF829, ZNF83, ZNF830, ZNF831, ZNF835, ZNF836, ZNF837, ZNF839, ZNF84, ZNF841, ZNF843, ZNF844, ZNF845, ZNF846, ZNF85, ZNF850, ZNF852, ZNF853, ZNF860, ZNF862, ZNF865, ZNF878, ZNF879, ZNF880, ZNF883, ZNF888, ZNF891, ZNF90, ZNF91, ZNF92, ZNF93, ZNF98, ZNF99, ZNFX1, ZNHIT1, ZNHIT2, ZNHIT3, ZNHIT6, ZNRD1, ZNRF1, ZNRF2, ZNRF3, ZNRF4, ZP1, ZP2, ZP3, ZP4, ZPBP, ZPBP2, ZPLD1, ZPR1, ZRANB1, ZRANB2, ZRANB3, ZRSR2, ZSCAN1, ZSCAN10, ZSCAN12, ZSCAN16, ZSCAN18, ZSCAN2, ZSCAN20, ZSCAN21, ZSCAN22, ZSCAN23, ZSCAN25, ZSCAN26, ZSCAN29, ZSCAN30, ZSCAN31, ZSCAN32, ZSCAN4, ZSCAN5A, ZSCAN5B, ZSCAN5C, ZSCAN9, ZSWIM1, ZSWIM2, ZSWIM3, ZSWIM4, ZSWIM5, ZSWIM6, ZSWIM7, ZSWIM8, ZSWIM9, ZUP1, ZW10, ZWILCH, ZWINT, ZXDA, ZXDB, ZXDC, ZYG11A, ZYG11B, ZYX, ZZEF1, ZZZ3,