

BIOGENOME

Genetics for all



Test Catalog

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BIO-METABOLIC

GNS, ALDH4A1, SLC25A36, PEX2, GNPAT, GALT, CTSA, PEX10, AGA, NPC1, LPL, APOA2, HPRT1, AGPS, CTSD, AGXT, CYP21A2, PEX7, SLC7A7, APOE, ENO3, ALDOB, GALE, MMAA, CPT1A, HSD3B2, UGT1A1, GUSB, PHKG2, PEX1, ACAT1, CPOX, G6PD, CLN6, ALDOA, BTB, AGXT, ALAS2, ABCD4, ALAD, FUCA1, GBA, CLN8, ABCG8, MMUT, ABCB4, GALT, AGXT, GM2A, GHR, CPS1, ALG3, HFE, AGL, ABCD1, SLC25A15, PEX3, ABCA1, ALPL, GBE1, BCKDHB, GALK1, GAA, ETHE1, HGSNAT, ALG3, GATM, SLC25A20, CYP17A1, ABCG5, ABCC2, DIABLO, CTNS, PEX5, PHKA1, ADA, LCAT, EPHX2, SLC6A8, PEX12, GYS2, SLC40A1, GYS1, GALNS, LAMP2, ARG1, NEU1, GALE, SLC25A13, SLC6A19, PEX13, G6PC, HPD, UROS, SLC3A2, DNAJC5, ASAH1, IDUA, ARSA, LIPA, PEX19, SLC7A9, CYP19A1, CYP11B1, FAH, ARSB, HJV, SLC2A1, SLC3A1, LDHA, LMBRD1, SLC2A2, GK, CLN3, HGD, ASS1, GALNS, CLN5, DBT, GUSB, DPYD, TAT, PEX6, PEX26, PEX14, ASL, FBP1, PEX16, APOA5, CD320, HSD17B4, SLC22A5, SLC17A5, HEXB, MCOLN1, PAH, FECH, HYAL1, BCKDHA, APOB, DDC, CTSA, MAN2B1, CETP, APOC2, SGSH, LIPC, PGK1, MANBA, MFSD8, GALK1, GAMT, CTSK, ENPP1, GALE, SLC25A15, DHCR7, CYP21A2, ABCC2, TFR2, NPC2, CLN6, AGA, ALPL, GAA, PEX5, FGF23, PFKM, PHKB, HPRT1, APOE, APOA2, PCSK9, UROD, GBE1, NAGA, CPT1A, SLC25A20, LIPA, MMAB, ASS1, ATP7A, PEX7, RBCK1, SLC2A3, LPL, G6PC, ALG3, ALDOB, SLC25A36, PHKA2, LCAT, ALAS2, AGXT, ABCA1, ABCB4, ABCG5, ABCD1, ABCD4, ACAT1, ADA, ALAD, ALDH4A1, ALDOA, ANTXR2, APOB, ARG1, ARSA, ARSB, ASL, ATP7B, BCKDHA, BCKDHB, CBS, CD320, CETP, CLN3, CLN5, CLN6, CLN8, CPOX, CPS1, CTNS, CTSA, CTSD, CTSK, CYP11B1, CYP17A1, CYP19A1, DBT, DDC, DHCR7, DIABLO, DLX4, DNAJC5, DPYD, ENO3, ENPP1, EPHX2, ETHE1, FAH, FBP1, FECH, FGF23, FUCA1, G6PC, GALT, GALE.

PANEL BIO-DIABETES-OBESITY

ACSF3, ALG12, GCK, NPHP1, GHR, NEUROG3, APOA5, NEUROD1, POMC, BBS9, VPS13B, RPS6KA3, ARL6, PDX1, APOA1, APOE, INSR, GBE1, FBP1, INS, AGL, ARL13B, PFKM, GLUD1, HMGCS2, SLC35C1, CEP290, ALG2, ALG13, PC, APOB, HADH, CCDC28B, STT3B, DHDDS, LPL, ALG3, CEL, MKS1, ALG11, BBS2, ENPP1, SRD5A3, GLIS3, UCP2, COG4, BLK, G6PC, MAN1B1, ALDOA, TMEM165, TUSC3, BBS1, PRPH2, ALG1, SLC35A2, LDHA, HEXA, WFS1, DOLK, BBS12, FOXP3, BBS4, EIF2AK3, TMEM67, BBS5, COG7, CEP164, SLC35A1, HMGCL, GNE, GATA6, MYO5A, BBS7, COG5, ALG6, ZFP57, BBS10, DPM1, SLC2A2, IFT27, MPI, IER3IP1, RBCK1, PHKG2, BDNF, PCK1, DYRK1B, GAA, UCP3, RFX6, C8ORF37, HNF1A, B4GALT1, COG6, GNAS, PCNT, LIPA, ALG8, PTF1A, ALG9, INPP5E, SLC16A1, NTRK2, PHKA1, COG8, ABCC8, CHD2, CYP27A1, MPDU1, LARGE1, NDN, PPARG, MKKS, MTPP, GMPPA, PHF6, ACAT1, ALDOB, MYO7A, CP, TTC8, RAB23, PHKA2, KCNJ11, LEPR, PRKAG2, HNF4A, SLC19A2, DPM3, MOGS, BBS4, PNPLA6, PHKB, PROM1, CUL4B, MAGEL2, PGM1, STT3A, LIPE, SLC35A2, LAMP2, KLF11, GYG1, CREBBP, RGRIP1L, GYS1, KIF7, COG1, NGLY1, CISD2, SLC2A2, LEP, PHKG2, GYS2, ABCA1, GAA, RHO, ALG1, ENO3, PGK1, NPHP3, PGAM2, MPV17, SLC35A1, TTC21B, RAI1, SIM1, NHLRC1, PDX1, PCSK1, PCSK9, OFD1, IFT172, RDH5, GNE, PEX10, SLC2A2, EPM2A, PYGL, AKT2, HNF1B, PYGM, TRIM32, HNF1A, LRP1, NR0B2, RFT1, CC2D2A, GATA6, GPIHBP1, MCOLN1, WPCP, OXCT1, SDCCAG8, SSR4, GYS1, UCP1, TMEM67, HNF4A, LEP, KIF7, INS, INSR, KCNJ11, KLF11, LAMP2, LARGE1, LDHA, LDLR, LDLRAP1, LEP, LEPR, LIPA, LIPE, LPL, LZTFL1, MAGEL2, MAN1B1, MC4R, MGAT2, MKKS, MKS1, MOGS, MPDU1, MPI, MPV17, MTPP, MYO5A, MYO7A, NDN, NEUROD1, NEUROG3, NGLY1, NHLRC1, NPHP1, NPHP3, NR0B2, NTRK2, OFD1, OXCT1, PAX4, PC, PCK1.

BIOGENOME MITOCHONDRIAL

MT-TK, MT-ND5, MT-TL1, MT-ND1, MT-TG, MT-TS1, MT-TW, MT-ND4, MT-TT, MT-ND6, MT-ND2, MT-RNR2, MT-CYB, MT-ND3, MT-TN, MT-TD, MT-CO1, MT-TF, MT-TP, MT-TM, MT-TV, MT-TA, MT-TC, MT-CO2, MT-ATP6, MT-TI, MT-TL2, MT-TH, MT-TQ, MT-ATP8, MT-TS2, MT-RNR1, MT-CO3, MT-TY, MT-TE, MT-TR, MT-ND4L.

BIO-MITOCHONDRIAL

HSD17B4, COASY, HADHA, NDUFB3, SLC25A46, NDUFAF2, NUBPL, ACADM, SLC25A38, AGXT, ALDH18A1, LIPT1, NDUFA10, ATPAF2, COX10, MCCC2, SUCLA2, NDUFS2, SLC25A20, DNAJC19, NDUFS4, POLG, OPA1, HSD17B10, MARS2, ACOX1, SLC25A4, ACADS, UQCRB, GSR, ALDH3A2, SDHD, SFXN4, ACADVL, RRM2B, ALDH7A1, TMEM70, SLC25A15, PNPLA8, SLC25A1, ACO2, BOLA3, NDUFAF5, MRPS16, HSD3B2, NDUFB9, HCCS, MCCC1, COX7B, ALDH2, ATP7B, NDUFS3, AASS, NDUFA1, AGK, DNAJC3, MRPL44, SLC25A13, SLC25A3, HINT1, SLC25A22, SLC16A1, SLC25A12, MRPS22, SUCLG1, NDUFS8, ABCD3, NDUFV2, NDUFS6, CYB5A, OAT, ETFDH, ALDH4A1, BCS1L, ATP5F1A, AARS2, CLPP, MMUT, SLC25A19, SLC25A46, NDUFA12, SLC25A4, SLC25A1, ACO2, BOLA3, NDUFAF5, MRPS16, HSD3B2, NDUFB9, HCCS, MCCC1, COX7B, ALDH2, ATP7B, NDUFS3, AASS, NDUFA1, AGK, DNAJC3, MRPL44, SLC25A13, SLC25A3, HINT1, SLC25A22, SLC16A1, SLC25A12, MRPS22, SUCLG1, NDUFS8, ABCD3, NDUFV2, NDUFS6, CYB5A, OAT, ETFDH, ALDH4A1, BCS1L, ATP5F1A, AARS2, CLPP, MMUT, SLC25A19, TK2, NDUFS7, NDUFV1, EARS2, COX15, PC, NDUFAF3, POLG2, NDUFAF4, NDUFA9, NDUFS1, PUS1, HARS2, NDUFAF1, NDUFB11, ALDH6A1, SLC25A20, ACADSB, SLC25A13, NDUFA2, NDUFA11, AIFM1, SLC25A15, GTPBP3, ACAD9, SUOX, MRPL3, ABAT, TUFM, SLC25A22, SLC25A38, AGXT, ALDH18A1, LIPT1, NDUFA10, ATPAF2, COX10, MCCC2, SUCLA2, NDUFS2, SLC25A20, DNAJC19, NDUFS4, POLG, OPA1, HSD17B10, MARS2, ACOX1, SLC25A4, ACADS, UQCRB, GSR, ALDH3A2, SDHD, SFXN4, ACADVL, RRM2B, ALDH7A1, TMEM70, SLC25A15, PNPLA8, SLC25A1, ACO2, BOLA3, NDUFAF5, MRPS16, HSD3B2, NDUFB9, HCCS, MCCC1, COX7B, ALDH2, ATP7B, NDUFS3, AASS, NDUFA1, AGK, DNAJC3, MRPL44, SLC25A13, SLC25A3, HINT1, SLC25A22, SLC16A1, SLC25A12, MRPS22, SUCLG1, NDUFS8, ABCD3, NDUFV2, NDUFS6, CYB.

PANEL BIO-DIABETES-OBESITY

ACSF3, ALG12, GCK, NPHP1, GHR, NEUROG3, APOA5, NEUROD1, POMC, BBS9, VPS13B, RPS6KA3, ARL6, PDX1, APOA1, APOE, INSR, GBE1, FBP1, INS, AGL, ARL13B, PFKM, GLUD1, HMGCS2, SLC35C1, CEP290, ALG2, ALG13, PC, APOB, HADH, CCDC28B, STT3B, DHDDS, LPL, ALG3, CEL, MKS1, ALG11, BBS2, ENPP1, SRD5A3, GLIS3, UCP2, COG4, BLK, G6PC, MAN1B1, ALDOA, TMEM165, TUSC3, BBS1, PRPH2, ALG1, SLC35A2, LDHA, HEXA, WFS1, DOLK, BBS12, FOXP3, BBS4, EIF2AK3, TMEM67, BBS5, COG7, CEP164, SLC35A1, HMGCL, GNE, GATA6, MYO5A, BBS7, COG5, ALG6, ZFP57, BBS10, DPM1, SLC2A2, IFT27, MPI, IER3IP1, RBCK1, PHKG2, BDNF, PCK1, DYRK1B, GAA, UCP3, RFX6, C8ORF37, HNF1A, B4GALT1, COG6, GNAS, PCNT, LIPA, ALG8, PTF1A, ALG9, INPP5E, SLC16A1, NTRK2, PHKA1, COG8, ABCC8, CHD2, CYP27A1, MPDU1, LARGE1, NDN, PPARG, MKKS, MTTP, GMPPA, PHF6, ACAT1, ALDOB, MYO7A, CP, TTC8, RAB23, PHKA2, KCNJ11, LEPR, PRKAG2, HNF4A, SLC19A2, DPM3, MOGS, BBS4, PNPLA6, PHKB, PROM1, CUL4B, MAGEL2, PGM1, STT3A, LIPE, SLC35A2, LAMP2, KLF11, GYG1, CREBBP, RPGRIP1L, GYS1, KIF7, COG1, NGLY1, CISD2, SLC2A2, LEP, PHKG2, GYS2, ABCA1, GAA, RHO, ALG1, ENO3, PGK1, NPHP3, PGAM2, MPV17, SLC35A1, TTC21B, RAI1, SIM1, NHLRC1, PDX1, PCSK1, PCSK9, OFD1, IFT172, RDH5, GNE, PEX10, SLC2A2, EPM2A, PYGL, AKT2, HNF1B, PYGM, TRIM32, HNF1A, LRBP1, NR0B2, RFT1, CC2D2A, GATA6, GPIHBP1, MCOLN1, WDPCP, OXCT1, SDCCAG8, SSR4, GYS1, UCP1, TMEM67, HNF4A, LEP, KIF7, INS, INSR, KCNJ11, KLF11, LAMP2, LARGE1, LDHA, LDLR, LDLRAP1, LEP, LEPR, LIPA, LIPE, LPL, LZTFL1, MAGEL2, MAN1B1, MC4R, MGAT2, MKKS, MKS1, MOGS, MPDU1, MPI, MPV17, MTTP, MYO5A, MYO7A, NDN, NEUROD1, NEUROG3, NGLY1, NHLRC1, NPHP1, NPHP3, NR0B2, NTRK2, OFD1, OXCT1, PAX4, PC, PCK1.

ACADM, G6PD, NPC2, ABCA1, PEX19, AGXT, CLN6, ALDOB, ACSF3, HMGCS2, COX10, ABCD1, FBP1, ALG2, AGA, ABCB4, HSD17B4, ALDH7A1, ACOX1, ADA, ATP7A, ALG6, ALG9, ALG1, AGL, ABCC8, ABCD3, ACAT1, CPT1A, ADGRG1, CYP21A2, ASS1, ADAR, ATPAF2, ALAS2, ACO2, ALDH4A1, ALDH3A2, ACADSB, ALDH5A1, ETHE1, ACADVL, ALG3, ACAD8, AIMP1, COQ9, DBT, COX15, CTSA, BTB, CLN3, APOB, CYP27A1, AKT2, CLN8, CPT2, ASL, ARSA, BCKDHA, ARSB, AUH, ATP7B, CYP11B1, ECHS1, CPS1, ALG12, ALG13, CYP11B2, COQ2, ADK, DGUOK, DLD, COQ8A, ETFB, EARS2, CLPP, COG7, AFG3L2, COG6, CPOX, CSF1R, BCKDHB, COG5, CD320, COG4, ALG8, APOC2, BOLA3, D2HGDH, APOE, BCS1L, DARS2, CAV1, BRIP1, DHDDS, AMT, DPM1, DPM2, DPM3, AHCY, APOA5, DNM1L, AMN, ALPL, DHCR7, APP, COG1, APTX, COG8, ALAD, AGPAT2, CAVIN1, ACADS, AGPS, ABCD4, AP3B1, ANK1, ANTXR2, AP4B1, AP4E1, AP4M1, AP4S1, ARG1, ASPA, ATM, ATP13A2, ATP6V0A2, B3GALNT2, B4GALT1, BCAP31, BEST1, BLK, BRAT1, BSCL2, C12ORF65, C19ORF12, CA5A, CASP10, CASP8, CBLIF, CBS, CEL, CERS1, CIDEA, CISD2, CLCN2, CLN5, COA8, COASY, COL11A2, COL2A1, COL4A1, COL4A2, COQ4, COQ6, COX20, COX4I2, COX6A1, COX6B1, COX7B, CTNS, CTSC, CTSD, CTSF, CTSK, CUBN, CYB5A, CYB5R3, CYC1, CYCS, CYP17A1, CYP19A1, CYP24A1, CYP2U1, CYP7B1, DAG1, DCAF17, DDC, DDOST, DIABLO, DKC1, DLAT, DMGDH, DMPK, DNA2, DNAJC5, DPYD, DYRK1B, EIF2AK3, ENO3, ENPP1, EPB42, EPHX2, EPM2A, ERCC6, ETFA, ETFDH, FAH, FARS2, FASTKD2, FBXL4, FECH, FGF23, FH, FOLR1, FOXP3, FOXRED1, FTL, FUCA1, GALE, GALK1, GALNS, GALT, GAMT, GAN, GATA6, GATM, GBA, GBE1, GCDH, GCK, GCSH, GFAP, GFER, GFM1, GFM2, GFPT1, GHR, GJA1, GJB1, GJC2, GK, GLA, GLB1, GLDC, GLIS3, GLRX5, GLUD1, GLUL, GM2A, GMPPA, GNE, GNMT, GNPAT, GNPTAB, GNPTG, GOSR2, GPC3, GRN.

[illegible]

PANEL-AMYOTROPHIC LATERAL SCLEROSIS

SOD1, FUS, TARDBP, C9ORF72, OPTN, VCP, UBQLN2, SQSTM1, KIF5A, TUBA4A, NEFH, PFN1, MATR3, PRPH, ANG, GRN, TREM2, ALS2, CHCHD10, CHMP2B, CSF1R, DCTN1, ERBB4, FIG4, HNRNPA1, ITM2B, MAPT, PSEN1, PSEN2, SETX, SIGMAR1, SLC52A3, SPG11, TBK1, PRNP, VAPB.

PANEL BIO-ATAXIA

SCN2A, KCNA1, C19ORF12, DNMT1, MLC1, ATXN2, POLR3B, BBS1, FLVCR1, SLC9A6, OPA3, ARL13B, PEX2, GJB1, PRKCG, MKS1, ATP13A2, COQ2, TTBK2, KCNJ10, COX20, AFG3L2, BSCL2, FBXL4, PDSS1, PDYN, GRID2, KCND3, CACNB4, APTX, TMEM67, ATP8A2, KCNC3, NDUFV1, PRICKLE1, PEX10, ARL6, FTL, CHMP1A, PDHX, CLPP, TMEM240, ATP1A3, LMNB1, VRK1, BSCL2, COQ8A, TSEN34, OPHN1, SPG7, ATXN1, TSEN54, EXOSC3, CA8, ALDH5A1, UBA5, STUB1, TSEN2, SLC52A3, COASY, PAX6, ATXN8OS, ATP2B3, GSS, GOSR2, CCDC88C, NPHP1, CAMTA1, NDUFAF6, MARS2, SPTBN2, CC2D2A, B9D1, DARS2, PEX7, GFAP, GALC, PRRT2, DNMT1, TMEM237, TGM6, EIF2B2, CYP27A1, WFS1, PLA2G6, FA2H, ATXN10, ATP2B3, CASK, ATP1A3, NPHP1, BTBD, ITM2B, SLC16A2, FGF14, PNKD, ABHD12, KIF1C, NOP56, KCNC3, ATXN7, SLC2A1, SLC1A3, TCTN2, ACO2, ATP8A2, ACO2, CWF19L1, PHYH, RPGRIP1L, NPC1, ATN1, TSEN54, C19ORF12, ATP1A3, MTPAP, ATXN3, VAMP1, BSCL2, VRK1, ATP1A3, LRPPRC, EIF2B4, PRKCG, SLC1A3, TTPA, CCDC88C, ATP8A2, TSEN34, VLDLR, MRE11, TMEM216, NPC1, ATP2B3, COQ9, ARL13B, KCNC3, TMEM240, SLC25A46, TMEM67, TMEM67, GOSR2, DNMT1, EIF2B3, ATXN8OS, ATXN2, CAMTA1, COQ2, CEP290, ZFYVE26, TSEN2, GSS, PANK2, AHI1, KCNA1, NUBPL, ATXN10, ATXN8OS, SLC17A5, ELOVL5, MRE11, CLN6, GJB1, GRID2, AHI1, EIF2B5, KCNA1, TMEM216, ATXN2, DNAJC5, CEP41, ATXN7, TMEM67, TMEM240, APTX, B9D1, ATP13A2, KCNJ10, GFAP, ARL6, MLC1, SPTBN2, ATXN1, ATP1A3, GOSR2, PRICKLE1, KCND3, FTL, CSPP1, DNAJC19, BSCL2, ATP2B3, PANK2, TUBB4A, TSEN2, DARS2, SPG11, RRM2B, MTFMT, TMEM237, AFG3L2, VAMP1, MTPAP, COX20, PDSS2, ATP8A2, GJB1, ATP8A2, GSS, TMEM67, GOSR2, PRRT2, FA2H, POLR3A, TMEM240, GSS, PANK2, WWOX, ATXN10, SPG11, TMEM240, TMEM216, CSPP1, STUB1, C19ORF12, PDSS1, CYP27A1, COQ8A, POLG, APTX, KCND3, SPTBN2, STUB1, AFG3L2, WDR81, FA2H, RPGRIP1L, PRRT2, SPG7, CAMTA1, PRKCG, RARS2, MLC1, GOSR2, PEX10, RARS2, PDSS1, BBS12, DNMT1, FA2H, NPHP1, ATP13A2, TMEM240, WFS1, SLC9A6, PDHX, TMEM237, KIF1A, ATP1A3, GOSR2, PDSS2, GSS, SLC2A1, SLC17A5, OPA1, TSEN54, TMEM67, ARL13B, ATP2B3, ATP8A2, ATP13A2, B9D1, KCNJ10, STUB1, NPC1, MARS2, OPA1, COQ8A, KCNJ10, GOSR2, TSEN2, PEX2, NPHP1, KCNA1, VAMP1, TMEM237, NUBPL, ATP2B3, GRID2, SLC25A46, ATP13A2, TMEM67, SPG7, PDSS2, FGF14, KCNC3, FBXL4, LAMA1, DNAJC19, TMEM67, PRICKLE1, EIF2B1, DNAJC19, DNAJC5, NDUFS4, GOSR2, ATP2B3, SLC52A3, ATXN3, GSS, RRM2B, ELOVL4, TMEM240, PRKCG, PRICKLE1, TGM6, GOSR2, FBXL4, ATP2B3, FBXL4, FGF14, NDUFS2, ARL6, KCND3, ATXN10, GOSR2, TMEM67, SLC1A3, GJB1, PDSS1, PDSS2, AFG3L2, KCNC3, BBS1, BSCL2, KCNC3, SLC2A1, KCNA1, SLC25A46, SLC20A2, SLC52A3, KCNA1, VAMP1, KCND3, STUB1, KCND3.

BIO ATAXIA PANEL PLUS

C19ORF12, ATP13A2, KCND3, PDSS1, FXN, ARL13B, TMEM237, KCNJ10, COQ2, B9D1, SETX, AHI1, CLPP, BBS12, SPG7, PDYN, SLC2A1, GSS, NPC1, TMEM216, GBA, CAMTA1, COX20, POLR3B, PDSS2, BTBD, NOP56, WFS1, NDUFS4, ACO2, SLC16A2, LMNB1, GFAP, GRM1, CACNB4, ATN1, SLC52A3, KCNA1, LAMA1, GOSR2, TSEN54, TSEN2, FLVCR1, ATXN10, TMEM67, SPTBN2, GJB1, PNKP, ATXN2, FBXL4, PAX6, MTPAP, PRKCG, ATP8A2, TSEN34, TMEM240, GOSR2, GBA2, KCNA1, ATP2B3, CLCN2, PANK2, ARL6, TSEN54, GOSR2, KIF1A, POLR3A, CACNA1A, NPHP1, DARS2, VRK1, COASY, ATP1A3, DNMT1, TMEM67, ATP1A3, APTX, ATXN1, ATP1A3, TMEM67, ATXN8OS, KCNC3, NDUFV1, CASK, RUBCN, PDSS1, BBS1, ZFYVE26, ATXN3, PEX10, FTL, POLG, KIF1C, ATP2B3, EIF2B5, COQ9, KCNC3, PEX7, SLC1A3, PRICKLE1, AFG3L2, PNPLA6, ATXN2, PRICKLE1, C19ORF12, ARL13B, SPTBN2, SLC9A6, ATP8A2, PEX2, ATXN8OS, BBS12, NPC2, DNAJC5, TMEM216, TSEN2, ATXN7, GALC, GSS, STUB1, KCNC3, KCNA1, MTFMT, DNAJC19, GRID2, ATP2B3, PPP2R2B, CACNA1A, ATXN2, PDSS2, KCNJ10, VLDLR, SLC20A2, ATXN10, LMNB1, ATXN2, EIF2B3, FXN, ATXN8OS, KIF7, CYP27A1, CLPP, ATP8A2, VAMP1, ATP2B3, PDSS2, NDUFS7, BSCL2, TUBB4A, PANK2, APTX, DNAJC19, GJC2, KCND3, TMEM240, ATP2B3, CASK, ATXN3, GALC, GSS, PLP1, ARL13B, CACNA1A, APTX, ATXN8OS, SPTBN2, DARS2, TUBB4A, KCNC3, SLC52A3, NPHP1, KCNA1, BSCL2, SLC17A5, TWNK, GJB1, ATP8A2, ATXN1, WDR81, PNKD, KCNA1, TMEM216, ATP13A2, TMEM240, RRM2B, NDUFS2, ATP1A3, PRRT2, ATXN2, GOSR2, EIF2B1, BSCL2, SLC25A46, SLC2A1, PAX6, MRE11, SLC16A2, CACNB4, COQ8A, GOSR2, SLC9A6, SLC17A5, ATXN3, TSEN2, C19ORF12, WWOX, ATXN7, SPTBN2, PRKCG, KCNC3, ATP1A3, GJB1, TSEN54, PDSS1, PDHX, KCNJ10, KCND3, GBA, TSEN34, ARL6, GJB1, FBXL4, KCND3, MARS2, PDSS2, SLC2A1, ATP2B3, FXN, TMEM237, NUBPL, PRRT2, TMEM67, ATP1A3, ATXN10, GSS, CLN6, RARS2, POLR3A, TSEN34, SPG11, TMEM237, GRID2, TMEM216, COQ2, STUB1, TMEM67, NPC1, APTX, SLC25A46, SYNE1, RUBCN, SLC1A3, COQ9, TMEM240, GSS, KCNJ10, ATP2B3, CYP27A1, TTBK2, PRICKLE1, WFS1, SPG7, GOSR2, DNMT1, KCNC3, CLCN2, VRK1, BSCL2, NDUFS1, PEX2, FBXL4, ATP8A2, APTX, KCNC3, PDSS1, STUB1, CSPP1, TMEM216, AFG3L2, PANK2, SLC16A2, MLC1, PEX10, B9D1, ATN1, SLC52A3, NDUFAF6, PRKCG, KCNA1, STUB1, COQ8A, TMEM240, COQ8A, MRE11, ATP2B3, GFAP, TMEM67, AFG3L2, PDSS1, SETX, ATP1A3, GALC, TMEM216, NDUFS4, ATP8A2, TMEM67, ARL6, KCNJ10, PNPLA6, NDUFS7, C19ORF12, MLC1, NPC1, ATP1A3, TMEM67, DNAJC19, GOSR2, WDR81, ATXN7, TWNK, SLC9A6, PDYN, SLC17A5, TMEM67, TMEM240, WWOX, PDHX, BSCL2, FBXL4, ACO2, GRM1, RRM2B, ATXN1, FTL, OPA1, PLP1, APTX, ATP2B3, ATP13A2, SLC25A46, PRRT2, ATP1A3, GOSR2, KCND3, DARS2, SPTBN2, ATP2B.

PANEL BIO-CILIOPATHIES

ACVR2B, TBX5, ANO5, BBS1, POMC, LBR, CCNO, IFITM5, COL9A3, FLNB, CEP152, CCDC114, DNAAF5, BMPR1B, CEP164, IFT172, FGF23, P3H1, WNT7A, SDCCAG8, EBP, LRRC6, SLC26A2, DNAAF4, TMEM231, DYNC2H1, PKD2, HYDIN, NKX2-5, BBS9, NOG, MKKS, ROR2, DNAH5, TRPV4, SERPINF1, IFT27, WDR60, DMP1, RPGRIP1L, ANKH, DNAAF2, NPHP3, DNAAF3, SOX9, RUNX2, ZMYND10, PHEX, GLI3, LEFTY2, NSDHL, PPIB, BBS4, MATN3, GDF5, GDF1, BBS2, RSPH4A, BBS10, TRIM32, LRP5, NKX3-2, INPP5E, TRPS1, CCDC28B, TRIP11, ARL6, CEP63, BBS5, HSPG2, GNPAT, CENPJ, SALL4, GNAS, SLC34A3, CCDC65, EVC2, RPGRIP1L, GLI2, TMEM138, ZNF423, RDH5, TMEM67, TMEM237, LIFR, RBBP8, NKX2-5, NEK1, CHSY1, DNAAF1, SALL1, DNAL1, DNAA5, RSPH1, WDR19, TNFRSF11B, PLOD2, CASR, MYO7A, NODAL, PTH1R, NPHP1, PRKAR1A, ATR, AGPS, NEK8, DNAH11, SDCCAG8, TRPS1, B9D1, LEP, GNAS, DNAL1, OFD1, SPAG1, LRRC6, ARL13B, BMP1, DRC1, FLNB, AHI1, ANO5, PMM2, RSPH9, SERPINH1, DNAAF2, TMEM216, PEX7, DNM2, TRIP11, DNAAF4, GLI3, DDR2, COL10A1, WNT7A, WDR35, ROR2, SDCCAG8, CCDC28B, WNT5A, PAX6, CSPP1, PPARG, TRIP11, CEP41, CFC1, TMEM67, BBS12, GDF5, PRKAR1A, GDF1, BBS10, PLOD2, NKX2-5, SLC26A2, IFITM5, GNAS, COL9A3, LRRC6, NKX3-2, DNAAF1, CCDC114, POMC, EBP, RSPH9, DNAH11, NKX3-2, TNFRSF11B, TBX5, WDR34, DMP1, ZNF423, WDR60, WNT7A, TMEM216, RPGRIP1L, BBS4, NSDHL, LEFTY2, SALL1, RUNX2, SOX9, RHO, SLC35D1, CENPF, RSPH1, MKS1, FKBP10, RSPH4A, LRRC6, ACVR2B, WDR19, TCTN3, TRIM32, PAX6, ANO5, AGPS, B9D1, SDCCAG8, ARL6, LEP, AHI1, RSPH9, DNAL1, TMEM237, ZIC3, FLNB, COMP, ARHGAP31, GLI2, INPPL1, BBS2, BMPR1B, RPGRIP1L, ARL13B, BMP1, DYNC2H1, TMEM231, CCDC28B, ZIC3, DDR2, WDR19, SDCCAG8, FLNB, SALL1, NKX2-5, NODAL, PRKAR1A, TNFRSF11B, LEFTY2, IFITM5, GNAS, LRRC6, WNT7A, ZNF423, DMP1, BBS4, POMC, ROR2, NSDHL, GLI3, RUNX2, SOX9, EBP, SLC26A2, PLOD2, COL9A3, PAX6, ANO5, GDF5, PMM2, SLC35D1, DNM2, BBS10, DNAAF4, AGPS, DNAAF2, ANKH, PHEX, FKBP10, COMP, RSPH1, CENPF, ATR, ANKRD11, WDR19, DRC1, TRIM32, NKX3-2, TRPS1, CFC1, DDR2, NKX2-5, LEP, HYDIN, MATN3, SERPINF1, BMPR1B, MYO7A, CASR, TMEM216, CCDC114, NPHP3, ARL6, WDR60, OFD1, TMEM67, TRIP11, PRKAR1A, ACVR2B, TBX5, IFITM5, COMP, SLC35D1, WNT7A, GDF1, ANKH, POMC, GLI2, SLC26A2, PHEX, RHO, DDR2, CENPF, GNAS, BMP1, COL9A3, FKBP10, EBP, PMM2, FLNB, LEFTY2, ZNF423, RUNX2, GDF5, SOX9, LRRC6, ZIC3, ANO5, AGPS, ROR2, NSDHL, GLI3, NODAL, PRKAR1A, RSPH9, SALL1, ARL13B, PAX6, B9D1, AHI1, TMEM237, DYNC2H1, TBX5, IFITM5, COMP, SLC35D1, WNT7A, GDF1, ANKH, POMC, GLI2, SLC26A2, PHEX, RHO, DDR2, CENPF, GNAS, BMP1, COL9A3, FKBP10, EBP, PMM2, FLNB, LEFTY2, ZNF423, RUNX2, GDF5, SOX9, LRRC6, ZIC3, ANO5.

NEONATAL SCREENING

ALG9, GABRA2, DYNC2H1, PSEN2, SLC26A3, GCDH, RYR1, CTC1, ST3GAL3, RNASEH2C, POMGNT2, DGUOK, ABCB11, SHH, PIGN, KCNH2, HEXA, RPL10, HGD, FOXRED1, TPI1, DNAH11, ASH1L, POMGNT1, KAT6B, DHDDS, KIAA0586, TPP1, FAH, TMC6, SFTPB, COL11A1, DDX3X, PPIB, FAM20C, ALG3, HESX1, COX15, SHOC2, PEX5, PIGT, CYBB, NDUFS1, RBBP8, ATP6V0A2, F2, PTCH1, PCCA, ACAD9, TRPV4, ZNF423, PTPN22, BICD2, MMUT, TDGF1, RIT1, ALG6, SC5D, GJB2, COX10, BTK, SLC22A5, TBCE, POLR3B, CYLD, WNT7A, FBN1, GATA3, AGL, PCCA, FGF10, EDARADD, UROD, PMM2, CACNA1A, RBM10, EVC2, MMACHC, LMX1B, TMC8, CDKL5, RPGRIP1L, F13A1, NHP2, MYO5A, ABCA12, SH3PXD2B, CHAT, ZMPSTE24, DHCR24, TERC, GFM1, ALG14, DYM, CYP7B1, EIF2B1, BRAF, CHST3, LRP5, TGFB2, SPINT2, B3GLCT, GALNS, ACADVL, DCHS1, MLYCD, EIF2B2, KMT2D, SP7, DUSP6, NBN, JAGN1, KIF1B, POLR1C, G6PD, ALDH5A1, JUP, SMARCD2, KCNJ11, GNE, NDUFA11, GATM, LMNA, SLC9A3R1, UCP2, POLR1D, HSD17B4, EIF2B5, FGF9, EFEMP2, COL5A2, DNA2, RAB23, ABCB6, NSDHL, C12ORF65, ATRX, TPI1, ABCC8, UROS, TYR, GUCY2C, ATPAF2, RAG1, TPP1, SLC25A12, B3GALT6, COL2A1, ASAH1, LAMB3, SERAC1, GP9, CCBE1, SPG7, UBE3B, TRPM4, NDUFS2, NDUFV1, BAZ1B, CACNA1D, PIK3R1, SDCCAG8, ERCC6L2, GLE1, HEXB, NEB, DHCR7, TTC7A, PEX2, LMAN1, COG4, G6PC3, ARMC9, COX6B1, NLRP3, ATP7B, HBA1, POC1A, CYP11A1, KIF11, OSTM1, ERCC8, RPGRIP1, TG, TMEM165, SDHA, PIGV, FBN2, RAB7A, CYP21A2, CCBE1, KARS, RPE65, FBN1, SLC26A2, NDUFA2, BUB1, SPTB, LRRC8A, TTN, CLCNKB, TRMT5, LRP5, RPS19, CRB1, ZEB2, SLC39A4, PKD1, CHST14, CCM2, CEP57, NOD2, LIPT1, HIRA, BSCL2, KCNJ2, CCDC103, SURF1, KIF1B, ARHGAP31, CPOX, TBC1D24, AKR1D1, ERCC1, LIG4, WRN, TTC8, ALDH3A2, ERCC4, CTNS, FLNA, MTO1, ADGRV1, MYH11, SLC30A5, HLA-DQB1, SUMF1, EMD, MMAB, TULP1, DNAJC21, STK11, CYBB, FGFR2, ATP6V1B1, NDUFV2, COG8, GATA6, PMM2, SPINT2, GNE, SETX, DHCR24, NDUFV3, CDKN2A, UBE2T, SLC25A20, NDUFS7, CACNA1D, COL3A1, AGRN, PEX12, KRT14, MAN1B1, SP7, NDUFA6, POLR1C, EEF1A2, GABRG2, EVC2, TRNV, PANK2, DHCR7, PMS2, AHCY, KIF7, NDUFAF4, GNE, CEP120, GALT, CHRNA1, TMEM70, RBM8A, ATP7B, NEUROG3, DLL4, ATP6V0A2, DLD, HPS6, DCAF17, DGUOK, MMADHC, CCDC8, ABCC8, NDUFA11, SERPINA7, CHST3, SPINT2, MYO7A, SLX4, NEK1, SLC7A9, MCCC1, LRP5, WASHC5, DNAH11, NDST1, NDUFA2, POMT2, TALDO1, LRP5, NDUFV3, COX6B1, LRP5, HMBS, LRRK2, PIEZO1, SMARCA2, HADHA, GNE, SBDS, ALG6, DYM, HFE, PRPS1, NDUFA9, NHLRC1, SLC2A1, CDH23, CTC1, HESX1, UROS, STS, SOX10, KCNQ1, LAMC2, GP1BA, GPC4, RMRP, HLA-DQA1, HBB, ETHE1, OTC, NDUFA6, HSD17B4, HSD17B4, GPC4, CACNA1A, NDUFA1, HSD17B10.

EPILEPSY PANEL

PDHX, PDP1, PDSS1, PDSS2, PET100, PEX1, PEX10, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX2, PEX26, PEX3, PEX5, PEX6, PEX7, PGK1, PGM1, PHYH, PIGA, PIGO, PIGV, PLA2G6, PLCB1, PLCG2, PLP1, PMM2, PNKP, PNPO, PNPT1, POLG, POLG2, POLR3A, POLR3B, PPT1, PRICKLE1, PRODH, PRRT2, PSAP, PSEN1, PTS, PURA, PYCR2, QARS1, QDPR, RAB27A, RAI1, RARS1, RARS2, RBFOX1, RELN, RFT1, RNASEH2A, RNASEH2B, RNASEH2C, RNASET2, ROGDI, RPIA, RRM2B, SAMHD1, SCARB2, SCN1A, SCN1B, SCN2A, SCN3A, SCN8A, SCN9A, SCO1, SCO2, SDHA, SDHAF1, SDHB, SDHD, SEC23B, SERAC1, SERPINI1, SGCE, SGSH, SIK1, SLC12A3, SLC12A5, SLC13A5, SLC16A2, SLC17A5, SLC19A3, SLC1A2, SLC22A5, SLC25A1, SLC25A12, SLC25A13, SLC25A15, SLC25A20, SLC25A22, SLC25A3, SLC25A4, SLC2A1, SLC35A1, SLC35A2, SLC35C1, SLC6A1, SLC6A8, SLC7A7, SLC9A6, SMC1A, SMPD1, SNTA1, SOX10, SPART, SPG11, SPG7, SPTAN1, SRD5A3, SSR4, ST3GAL3, ST3GAL5, STAT1, STT3A, STT3B, STX1B, STXBP1, SUCLA2, SUCLG1, SUMF1, SUOX, SURF1, SYN1, SYNE1, SYNGAP1, SYNJ1, SZT2, TACO1, TBC1D24, TBCE, TCF4, TGFB1, TIMM8A, TINF2, TK2, TMEM126A, TMEM165, TMEM70, TPK1, TPP1, TREM2, TREX1, TRPM6, TRPV4, TSC1, TSC2, TSFM, TTC19, TUBB4A, TUFTM, TUSC3, TWNK, TYMP, TYROBP, UBE3A, UMPS, UQCROQ, WDR45, WFS1, WWOX, ZEB2, ZFYVE26, AARS1, AARS2, ABCC8, ABCD1, ABCD3, ACAD9, ACADM, ACADS, ACADVL, ACOX1, ACY1, ADA, ADAMTSL2, ADAR, ADGRG1, ADSL, AFG3L2, AGA, AGK, AGPS, AIFM1, AIMP1, ALDH3A2, ALDH5A1, ALDH7A1, ALDOB, ALG1, ALG11, ALG12, ALG13, ALG2, ALG3, ALG6, ALG8, ALG9, AMT, ANTXR2, AP3B1, AP4B1, AP4E1, AP4M1, AP4S1, APP, APTX, ARG1, ARHGEF9, ARSA, ARSB, ARV1, ARX, ASAH1, ASL, ASPA, ASS1, ATM, ATP13A2, ATP1A2, ATP6V0A2, ATP7A, ATP7B, ATPAF2, AUH, B3GALNT2, B3GLCT, B4GALT1, BCAP31, BCKDHA, BCKDHB, BCS1L, BEST1, BOLA3, BRAT1, BTBD, C12ORF65, C19ORF12, CA5A, CACNA1A, CACNA1H, CACNB4, CASK, CAV1, CDKL5, CERS1, CHD2, CHRNA2, CHRNA4, CHRNB2, CLCN2, CLCN4, CLDN16, CLDN19, CLN3, CLN5, CLN6, CLN8, CLPP, CNM2, CNTNAP2, COA8, COASY, COG1, COG4, COG5, COG6, COG7, COG8, COL11A2, COL2A1, COL4A1, COL4A2, COQ2, COQ8A, COQ9, COX10, COX15, COX20, COX6B1, CP, CPA6, CPS1, CPT1A, CPT2, CSF1R, CSTB, CTC1, CTNS, CTSA, CTSC, CTSD, CTSF, CTSK, CYP27A1, CYP2U1, CYP7B1, D2HGDH, DAG1, DARS2, DBT, DCAF17, DDOST, DEPD5, DGUOK, DHCR7, DHDDS, DKC1, DLAT, DLD, DNAJC5, DNM1, DNM1L, DOCK7, DOLK, DPAGT1, DPM1, DPM2, DPM3, DPYD, DYM, DYRK1A, EARS2, ECHS1, EIF1A2, EFHC1, EGF, EIF2B1, EIF2B2, EIF2B3, EIF2B4, EIF2B5, EPM2A, ERCC6, ETF, ETFB, ETFDH, ETHE1, F2, F5, FA2H, FAH, FAM126A, FARS2, FASTKD2, FBN1, FBXL4, FGF12, FH, FHL1, FOLR1, FOXG1, FOXRED1, FRRS1L, FTL, FUCA1, FXR2, GAA, GABRA1, GABRB3, GABRD, GABRG2, GALC, GALNS, GALT, GAMT, GAN, GBA, GBE1, GCDH, GCSH, GFAP, GFER, GFM1, GFM2, GFPT1, GJA1, GJB1, GJC2, GLA, GLB1, GLDC, GLUD1, GLUL, GM2A, GMPA, GNAO1, GNE, GNPAT, GNPTAB, GNPTG, GNS, GOSR2, GPC3, GRIN1, GRIN2A, GRIN2B, GRN, GTPBP3, GUF1, GUSB, HADHA, HADHB, HCFC1, HCN1, HEPACAM, HEXA, HEXB, HGSNAT, HIBCH, HLCS, HMGCL, HMGCS2, HNRNPU, HRAS, HSD17B4, HSPD1, HTRA1, HYAL1, IARS2, IBA57, IDS, IDUA, IFIH1, IQSEC2, ISCA2, ITPA, IVD, JAG1, JAM3, KCNA1, KCNA2, KCNB1, KCNC1, KCNJ10, KCNMA1, KCNQ2, KCNQ3, KCNT1, KCTD7, KIF5A, L2HGDH, LAMA2, LAMB1, LAMP2, LARGE1, LDB3, LGI1, LIAS, LIPA, LIPT1, LMNB1, LRPPRC, LYRM7, LYST, MAGT1, MAN1B1, MAN2B1, MANBA, MARS2, MBD5, MCCC1, MCCC2, MCOLN1, MECP2, MED17, MEF2C, MFN2, MFSD8, MGAT2, MGME1, MLC1, MLPH, MMAA, MMAB, MMACHC, MMADHC, MMUT, MOCS1, MOCS2, MOGS, MPDU1, MPI, MPV17, MRPL44, MRPS22, MTFMT, MTHFR, MTOR, MTR, MYO5A, MYOT, NAGA, NAGLU, NAGS, NARS2, NBAS, NDUFA1, NDUFA10, NDUFA11, NDUFA12, NDUFA2, NDUFA9, NDUFAF1, NDUFAF2, NDUFAF4, NDUFAF5, NDUFAF6, NDUFS1, NDUFS2, NDUFS3, NDUFS4, NDUFS6, NDUFS7, NDUFS8, NDUFV1, NDUFV2, NECAP1, NEDD4L, NEU1, NFU1, NGLY1, NHLRC1, NOTCH3, NPC1, NPC2, NRXN1, NUBPL, OAT, OCLN, OCRL, OPA1, OPA3, OTC, PAH, PANK2, PC, PCCA, PCCB, PCDH19, PDHA1, PDHB.

BIO-DEMENTIA

CHMP2B, CP, CHCHD10, CSF1R, MATR3, ALS2, ARSA, SPG11, REEP1, SQSTM1, SORL1, SIGMAR1, APP, ATP7B, ANG, FTL, ERBB4, BSCL2, HNRNPA1, HSPD1, UBQLN2, TREM2, TUBA4A, UBE3A, WASHC5, VCP, VAPB, TYROBP, TBK1, TARDBP, SPAST, SNCA, SLC52A3, SETX, PRNP, PRPH, PSEN1, PSEN2, PFN1, OPTN, NPC1, NOTCH3, NEFH, MAPT, KIF5A, ITM2B, GRN, FUS, FIG4, HEXA, C9ORF72, ATXN2, APOE.

BIO-DYSTONIA

ADAR, ADCY5, ANO3, ARSA, ATM, ATP13A2, ATP1A3, ATP7B, BCAP31, BTBD, C19ORF12, CBS, CLN3, CLN5, CLN6, CLN8, COASY, COL6A3, CP, CTSD, CTSF, D2HGDH, DCAF17, DDC, DNAJC5, ECHS1, FA2H, FTL, FUCA1, GALC, GALT, GAMT, GATM, GCDH, GCH1, GLB1, GM2A, GNAL, GRN, HPCA, HPRT1, KCNMA1, KCTD17, KCTD7, MCEE, MFSD8, MMAA, MMAB, MMADHC, MMUT, NPC1, NPC2, PAH, PANK2, PLA2G6, PLP1, PNKD, POLG, PPT1, PRKN, PRKRA, PRRT2, RELN, RNASEH2A, RNASEH2B, RNASEH2C, SAMHD1, SERAC1, SGCE, SLC19A3, SLC20A2, SLC2A1, SLC30A10, SLC6A3, SLC6A8, SPR, SUCLA2, TH, THAP1, TIMM8A, TOR1A, TPP1, TREX1, TUBB4A, VPS13A, WDR45, XK.

NEONATAL PANEL

SOS1, SOX10, SOX2, SOX9, SPAST, SPEG, SPINK5, SPINT2, SPR, SPRED1, SPTA1, SPTAN1, SPTB, SRD5A3, ST3GAL3, ST3GAL5, STAR, STAT1, STAT3, STIL, STIM1, STS, STT3B, STXBP1, SUCLA2, SUCLG1, SUMF1, SUOX, SYNE1, TACO1, TAT, TAZ, TBC1D24, TBCE, TBX19, TBX5, TCAP, TCN2, TFR2, TG, TGM1, TH, THRA, TJP2, TMCO1, TMEM165, STING1, TMEM70, TNFRSF13B, TNFRSF13C, TNFSF4, TNNT1, TP63, TPM2, TPM3, TPO, TPP1, TRIP11, TRMU, TRPV4, TSC1, TSC2, TSFM, TSHB, TSHR, TSPYL1, TTC7A, TTN, TUBA8, TUBB2A, TWNK, UBA1, UGT1A1, UMPS, UNG, UPB1, UQCRC2, UROD, UROS, WAS, WDPCP, WDR62, WDR73, WFS1, WNK1, WT1, ZAP70, ZEB2, ZFP57, ZNF423.

SPASTIC PARAPLEGIA PANEL

SLC33A1, SPART, SPAST, SPG11, SPG21, SPG7, TECPR2, TFG, TTR, USP8, VAMP1, VPS37A, WASHC5, ZFYVE26, ZFYVE27, ABCD1, ALDH18A1, ALS2, AMPD2, AP4B1, AP4E1, AP4M1, AP4S1, AP5Z1, ARL6IP1, ATL1, ATP13A2, B4GALNT1, BICD2, BSCL2, C12ORF65, C19ORF12, CCT5, CYP2U1, CYP7B1, DDHD1, DDHD2, ENTPD1, ERLIN1, ERLIN2, EXOSC3, FA2H, FARS2, GBA2, GJC2, HSPD1, IBA57, KDM5C, KIF1A, KIF1C, KIF5A, L1CAM, MAG, MARS1, NIPA1, NT5C2, PGAP1, PLP1, PNPLA6, RAB3GAP2, REEP1, REEP2, RTN2, SACS, SLC16A2.

INTELLECTUAL DISORDERS PANEL

RET, RIMS1, RNASEH2A, RNASEH2B, RNASEH2C, ROGDI, ROR2, RPGRIP1L, RPL10, RPS6KA3, RXYLT1, SALL1, SAMHD1, SASS6, SATB2, SBF1, SCN1A, SCN2A, SCN4A, SCN8A, SCN9A, SCO2, SDCCAG8, SDHA, SEPSECS, SETBP1, SETD2, SGCA, SHANK2, SHH, SHROOM4, SIL1, SIX3, SLC12A5, SLC16A2, SLC25A12, SLC25A15, SLC25A19, SLC27A4, SLC2A1, SLC35A2, SLC35A3, SLC4A4, SLC6A1, SLC6A3, SLC6A8, SLC7A7, SLC9A6, SLC9A9, SLCO1B3, SMAD4, SMARCA2, SMARCA4, SMARCB1, SMARCE1, SMC1A, SMC3, SMPD1, SMS, SNAI2, SNAP29, SNIP1, SOBP, SOD1, SOX10, SOX2, SOX3, SPAST, SRD5A3, ST3GAL3, STAMBP, STIL, STRA6, STXB1, SYN1, SYNE1, SYNGAP1, SYNJ1, SYP, TAF2, TAF6, TBC1D20, TBC1D24, TBCE, TBL1XR1, TBX1, TCF4, TCTN1, TCTN2, TCTN3, TECR, TECTA, TFAP2A, TGIF1, THRA, TIMM8A, TINF2, TMCO1, TMEM138, TMEM216, TMEM231, TMEM237, TMEM67, TMLHE, TPO, TRAPPC9, TREX1, TRMT10A, TRPC6, TSC1, TSC2, TSEN2, TSEN34, TSEN54, TSPAN7, TTC21B, TTI2, TTN, TUBA1A, TUBA8, TUBB2B, TUBB3, TUBB4A, TUBGCP4, TUBGCP6, TUSC3, TYR, UBE2A, UBE3A, UBR1, UPF3B, USH2A, USP9X, VDR, VLDLR, VPS13B, VPS53, VRK1, WAC, WDR45, WDR62, WDR81, WNT1, WNT5A, WWOX, YWHAE, ZBTB18, ZDHHC9, ZEB2, ZFYVE26, ZIC2, ZIC3, ZNF335, ZNF41, ZNF423, ZNF711, ZNF81ABAT, ABCD1, ACE, ACSL4, ACTB, ACTG1, ACTN4, ADA, ADAR, ADCY5, ADGRG1, ADK, ADNP, ADSL, AFF2, AHI1, AIMP1, AKAP9, AKT3, ALDH18A1, ALDH5A1, ALDH7A1, ALG11, ALG13, ALX4, AMPD1, AMPD2, AMT, ANK2, ANK3, ANKRD11, AP1S1, AP1S2, AP3B1, AP4B1, AP4M1, ARFGEF2, ARHGEF10, ARHGEF6, ARHGEF9, ARID1A, ARID1B, ARL13B, ARX, ASAH1, ASCL1, ASPM, ASXL1, ASXL3, ATP13A2, ATP1A3, ATP6AP2, ATP6V0A2, ATP7A, ATP8A2, ATR, ATRX, AUTS2, B3GALNT2, B4GAT1, B9D1, B9D2, BBS4, BCAP31, BCKDK, BCOR, BCS1L, BDNF, BLOC1S3, BLOC1S6, BRAF, BRCA2, BRWD3, C12ORF57, C12ORF65, C19ORF12, CA2, CA8, CACNA1A, CACNA1C, CACNA1D, CACNA1F, CACNA1H, CACNB2, CAMTA1, CARD11, CASK, CBS, CC2D1A, CC2D2A, CCDC40, CCDC88C, CDH15, CDK5RAP2, CDKL5, CDON, CENPF, CENPJ, CEP135, CEP152, CEP290, CEP41, CEP63, CHD2, CHD7, CHD8, CHMP1A, CHRM3, CIB2, CLCN4, CLIC2, CLN8, CNGB3, CNTNAP2, COASY, COL4A1, CPLA- NE1, CPT2, CRADD, CRBN, CREBBP, CRIPT, CRPPA, CSPP1, CTC1, CTNNA3, CTNNB1, CUL3, CUL4B, CUL7, CYB5R3, CYP11B1, CYP27A1, DARS2, DCAF17, DCX, DDC, DDX3X, DHCR7, DKC1, DLG3, DNM1, DOCK8, DPYD, DRD3, DST, DTNBP1, DYM, DYNC1H1, DYRK1A, EDN3, EDNRB, EEF1A2, EFTUD2, EHMT1, EIF2B1, EIF2B2, EIF2B3, EIF2B4, EIF2B5, EIF4E, ELOVL4, EMX2, EP300, EPB41L1, ESRRB, ETVB, EXOSC3, FAM126A, FANCB, FBN1, FGA, FGD1, FGFR2, FGFR3, FH, FKR, FKTN, FLNA, FLVCR1, FMR1, FOLR1, FOXC1, FOXC1, FOXL2, FOXP1, FOXP2, FTL, FTO, FTSJ1, G6PD, GABRB3, GAD1, GAMT, GATM, GCK, GDI1, GDNF, GFAP, GIGYF2, GJC2, GK, GLI2, GLRB, GMPPA, GMPPB, GNAO1, GNAS, GPC3, GPHN, GPT2, GPX1, GRIA3, GRID2, GRIK2, GRIN1, GRIN2A, GRIN2B, GRIP1, HBB, HCCS, HCFC1, HCN1, HDAC4, HDAC8, HEPACAM, HERC2, HNRNPU, HOXA1, HPRT1, HPS1, HPS4, HPS5, HPS6, HRAS, HSD17B10, HSPD1, HUWE1, HYDIN, IDS, IER3IP1, IFIH1, IGBP1, IGF1, IGF1R, IL1RAPL1, INPP5E, INVS, IQSEC2, IRX5, ITGA7, ITGB3, ITPR1, JAG1, KANK1, KAT6A, KAT6B, KATNB1, KCNB1, KCNC1, KCNC3, KCND3, KCNJ10, KCNK9, KCNMA1, KCNQ2, KCNQ3, KDM5C, KDM6A, KIF11, KIF1A, KIF5C, KIF7, KIRREL3, KMT2A, KMT2C, KMT2D, KNL1, KRAS, L1CAM, LAMA1, LAMA2, LAMB1, LAMC3, LAMP2, LARGE1, LEP, LINS1, LMX1B, LRBA, LRP2, LZTR1, MAGEL2, MAGT1, MAN1B1, MAOA, MBD5, MBTPS2, MCCC2, MCM4, MCPH1, MECP2, MED12, MED13L, MED17, MED23, MEF2C, MEGF10, MEIS2, MET, MFRP, MFSD2A, MGAT2, MIB1, MID1, MITE, MKKS, MKS1, MLC1, MPDZ, MSMO1, MTHFR, MTM1, MTOR, MTR, MYCN, MYO5A, NAA10, NAGA, NALCN, NDE1, NDP, NDST1, NDUFA1, NECTIN1, NEXMIF, NF1, NFIX, NHEJ1, NHS, NIPA1, NIPBL, NLGN3, NLGN4X, NOTCH2, NPHP1, NPHP3, NR2F1, NR3C2, NRXN1, NSD1, NSDHL, NSUN2, NTRK1, NXF5, OCLN, OCRL, OFD1, OPHN1, ORC1, OTC, PAFAH1B1, PAH, PAK3, PANK2, PAX3, PAX6, PCDH15, PCDH19, PCNT, PDE6D, PDHA1, PEX1, PEX10, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX2, PEX26, PEX3, PEX5, PEX6, PEX7, PGAP1, PGK1, PHC1, PHF6, PHF8, PIGA, PIGL, PIGN, PIGO, PIGV, PIK3R2, PITX2, PLA2G6, PLCB1, PLK4, PLN, PLP1, PNKP, POGZ, POLR3A, POLR3B, POMGNT1, POMGNT2, POMK, POMT1, POMT2, PORCN, POT1, PPOX, PPT1, PQBP1, PRICKLE1, PRKN, PRODH, PRPS1, PRSS12, PTCH1, PTEN, PTPN11, PTPRC, PTS, PURA, PYCR1, PYCR2, QARS1, RAB18, RAB39B, RAB3GAP1, RAB3GAP2, RAD21, RAI1, RARS2, RBBP8, RBFOX1, RBM10, RELN.

LMOD3, LPIN1, LRSAM1, MAGEL2, MAMLD1, MARS1, MATR3, MED25, MEGF10, MFN2, MICU1, MPV17, MPZ, MTM1, MTMR14, MTMR2, MUSK, MYBPC1, MYBPC3, MYH2, MYH3, MYH7, MYH8, MYO18B, MYOT, MYPN, NALCN, NDRG1, NEB, NTRK1, OPA1, OPA3, PDK3, PFKM, PGAM2, PGK1, PGM1, PHKA1, PIEZO2, PLEC, PLEKHG5, PLOD2, PMM2, PMP22, PNPLA2, POLG, POLG2, POMGNT1, POMGNT2, POMK, POMT1, POMT2, PREPL, PRKAG2, PRPS1, PRX, PYGM, QARS1, RAB7A, RAPSN, RBCK1, REEP1, RETREG1, RRM2B, RXYLT1, RYR1, SBF1, SBF2, SCN4A, SELENON, SGCA, SGCB, SGCD, SGCE, SGCG, SH3TC2, SIL1, SLC12A6, SLC16A1, SLC22A5, SLC25A1, SLC25A20, SLC25A46, SLC5A7, SLC6A5, SMCHD1, SMN1, SMN2, SPEG, SPG11, SPTLC1, SPTLC2, SUCLA2, SYNE1, SYNE2, TAZ, TCAP, TFG, TGFB3, TK2, TMEM43, TNNI2, TNNT1, TNNT3, TNPO3, TOR1A, TPM2, TPM3, TRAPPC11, TRIM2, TRIM32, TRPV4, TSEN2, TSFM, TTN, TWNK, TYMP, UBA1, VAMP1, VAPB, VCP, VIPAS39, VRK1, WNK1, XK, YARS1, AARS1, ABHD5, ACAD9, ACADM, ACADVL, ACTA1, AGL, AGRN, AHCY, AIFM1, ALDOA, ALG14, ALG2, AMPD1, ANO5, ARHGEF10, ARHGEF9, ASAH1, ATL1, ATP2A1, ATP7A, B3GALNT2, B4GAT1, BAG3, BICD2, BIN1, BSCL2, CACNA1S, CAPN3, CASK, CAV1, CAV3, CCDC78, CFL2, CHAT, CHCHD10, CHKB, CHRNA1, CHRNB1, CHRND, CHRNE, CHRNG, CHST14, CLCN1, CNTN1, COL12A1, COL6A1, COL6A2, COL6A3, COLO, COQ2, COX6A1, CPT2, CRPPA, CRYAB, CSRP3, CTDPI, DAG1, DCTN1, DES, DGUOK, DHCR24, DHTKD1, DMD, DMPK, DNA2, DNAJB2, DNAJB6, DNM2, DNMT1, DOK7, DPAGT1, DPM1, DPM2, DPM3, DYNC1H1, DYSF, ECEL1, EGR2, ELP1, EMD, ENO3, ERCC5, ERCC6, ETFA, ETFB, ETFDH, EXOSC3, EXOSC8, FBLN5, FBN2, FBXO38, FGD4, FHL1, FIG4, FKBP10, FKRP, FKTN, FLNC, GAA, GAN, GARS1, GBA, GBE1, GDAP1, GFPT1, GJB1, GLE1, GLRA1, GLRB, GMPPB, GNB4, GNE, GPHN, GYG1, GYS1, HADHA, HADHB, HINT1, HK1, HNRNPDL, HOXD10, HRAS, HSPB1, HSPB3, HSPB8, HSPG2, IGHMBP2, INF2, ISCU, ITGA7, KARS1, KAT6B, KBTBD13, KCNA1, KCNE3, KIF1A, KIF1B, KIF5A, KLHL40, KLHL41, LAMA2, LAMB2, LAMP2, LARGE1, LDB3, LDHA, LIMS2, LITAF, LMNA.

PANK2, PARK7, PINK1, PLA2G6, PRKN, PRKRA, RAB39B, SLC20A2, SLC30A10, SLC6A3, SNCA, SNCB, SPR, SYNJ1, TH, TMEM230, UCHL1, VPS13A, VPS35, WDR45, ATP13A2, ATP1A3, ATP6AP2, ATP7B, C19ORF12, DCTN1, DNAJC6, FBXO7, FTL, FUS, GBA, GCH1, GRN, HTRA2, LRRK2, MAPT.

BIO-VISION

TYRP1, UNC45B, USH1C, USH1G, USH2A, VCAN, VIM, VPS13B, VSX2, WDPCP, WDR19, WDR36, WFS1, WHRN, ZIC2, ZNF423, ZNF513, ABCA4, ABCB6, ABHD12, ACO2, ACVR1, ADAM9, ADGRV1, AFG3L2, AGK, AHI1, AIPL1, ALDH18A1, ALDH1A3, AP3B1, APTX, ARL13B, ARL6, ASB10, ATF6, AUH, B9D1, B9D2, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, BCOR, BEST1, BFSP1, BFSP2, BLOC1S3, BLOC1S6, BMP4, C12ORF65, C1QTNF5, C8ORF37, CA4, CABP4, CACNA1F, CACNA2D4, CANT1, CC2D2A, CCDC28B, CDH23, CDH3, CDHR1, CEP164, CEP290, CEP41, CERKL, CHD7, CHM, CHMP4B, CIB2, CISD2, CLCN7, CLN3, CLN5, CLN6, CLN8, CLPB, CLRN1, CNGA1, CNGA3, CNGB1, CNGB3, CNNM4, COL11A1, COL11A2, COL2A1, COL4A1, COL9A1, COL9A2, COL9A3, COX7B, CPLANE1, CRB1, CRX, CRYAA, CRYAB, CRYBA1, CRYBA4, CRYBB1, CRYBB2, CRYBB3, CRYGB, CRYGC, CRYGD, CRYGS, CSPP1, CTC1, CTDPI, CTNNB1, CTSD, CYP1B1, CYP27A1, DGUOK, DHDDS, DKC1, DNA2, DNAJC19, DNMT1, DTNBP1, EDN3, EDNRB, EFEMP1, ELOVL4, ENPP1, EPHA2, ERCC1, ERCC2, ERCC5, ERCC6, EYA1, EYS, FAM126A, FAM161A, FLVCR1, FOXC1, FOXE3, FOXL2, FRAS1, FREM1, FREM2, FSCN2, FTL, FYCO1, FZD4, GALE, GALK1, GALT, GBA, GCNT2, GDF3, GDF6, GJA1, GJA3, GJA8, GNAT2, GNPTG, GPR143, GRIP1, GRN, GUCA1A, GUCA1B, GUCY2D, HCCS, HESX1, HEXA, HGSNAT, HK1, HMX1, HPS1, HPS3, HPS4, HPS5, HPS6, HSF4, HTRA2, IDH3B, IFT140, IFT172, IFT27, IMPDH1, IMPG2, INPP5E, IQCB1, KCNJ13, KCNV2, KIF11, KIF7, KIT, KLHL7, LCA5, LEMD2, LEP, LEPR, LIM2, LMX1B, LOXL1, LRAT, LRMDA, LRP2, LRP5, LSS, LTBP2, LYST, LZTFL1, MAB21L2, MAF, MAK, MC1R, MERTK, MFN2, MFRP, MFSD8, MIP, MITF, MKKS, MKS1, MLPH, MYH9, MYO5A, MYO7A, MYOC, NAA10, NDP, NF2, NHS, NMNAT1, NPHP1, NPHP3, NPHP4, NR0B2, NR2F1, NRL, NTF4, OCA2, OCRL, OFD1, OPA1, OPA3, OPN1LW, OPN1MW, OPTN, OSTM1, OTX2, P3H2, PAX2, PAX3, PAX6, PCARE, PCDH15, PDE6A, PDE6B, PDE6C, PDE6G, PDE6H, PDZD7, PEX1, PEX2, PEX7, PHF6, PHYH, PIK3R5, PITPNM3, PITX2, PITX3, PLA2G5, PNKP, PNPLA6, POLG, POLG2, POMC, POMGNT1, PPARG, PPT1, PQBP1, PRCD, PRKCG, PROM1, PRPF3, PRPF31, PRPF6, PRPF8, PRPH2, PRPS1, PRSS56, RAB18, RAB27A, RAB3GAP1, RAB3GAP2, RARB, RAX, RAX2, RBP3, RBP4, RD3, RDH12, RDH5, RGR, RGS9, RGS9BP, RHO, RIMS1, RLBP1, ROM1, RP1, RP1L1, RP2, RPE65, RPGR, RPGRIP1, RPGRIP1L, RRM2B, RS1, RTN4IP1, SAG, SBF2, SDCCAG8, SEMA4A, SERAC1, SETX, SHH, SIL1, SIX3, SIX6, SLC16A12, SLC24A5, SLC25A4, SLC25A46, SLC33A1, SLC45A2, SLC9A6, SMCHD1, SMOC1, SNAI2, SNRNP200, SNX10, SOX10, SOX2, SPATA7, SPG7, STRA6, TBC1D20, TBK1, TCIRG1, TCTN1, TCTN2, TCTN3, TDRD7, TENM3, TFAP2A, TIMM8A, TIMP3, TK2, TMEM126A, TMEM138, TMEM216, TMEM231, TMEM237, TMEM67, TMEM70, TNFRSF11A, TNFSF11, TOPORS, TPP1, TRIM32, TRNT1, TSPAN12, TTC21B, TTC8, TTPA, TULP1, TWNK, TYMP, TYR.

BIO-HEAR

DIAPH3, DLX5, DMXL2, DNMT1, DSPP, EDN3, EDNRB, ELMOD3, EPS8, EPS8L2, ESPN, ESRP1, ESRRB, EYA1, EYA4, FDXR, FGF3, FGFR1, FGFR2, FGFR3, FOXI1, GAB1, GATA3, GIPC3, GJA1, GJB2, GJB3, GJB6, GPRASP2, GPSM2, GRHL2, GRXCR1, GRXCR2, GSDME, HARS1, HARS2, HGF, HOMER2, HOXB1, HSD17B4, ILDR1, KARS1, KCNE1, KCNJ10, KCNQ1, KCNQ4, KIT, KITLG, LARS2, LHFPL5, LOXHD1, LRP2, LRTOMT, MAN2B1, MANBA, MARVELD2, MCM2, MET, MGP, MITF, MPZL2, MSRB3, MYH14, MYH9, MYO15A, MYO3A, MYO6, MYO7A, NARS2, NDP, NLRP3, OPA1, OSBPL2, OTOA, OTOF, OTOG, OTOGL, P2RX2, PAX3, PCDH15, PDZD7, PEX1, PEX26, PEX6, PJVK, PMP22, PNPT1, POLR1C, POLR1D, POU3F4, POU4F3, PRPS1, RDX, RMND1, ROR1, RPS6KA3, S1PR2, SALL1, SALL4, SEMA3E, SERPINB6, SIX1, SIX5, SLC12A1, SLC17A8, SLC19A2, SLC26A4, SLC26A5, SLC29A3, SLC33A1, SLC44A4, SLC52A2, SLC52A3, SLITRK6, SMAD4, SMPX, SNAI2, SOX10, SOX2, SPATA5, STRC, SUCLA2, SUCLG1, SYNE4, TBC1D24, TBX1, TCOF1, TECTA, TFAP2A, TIMM8A, TJP2, TMC1, TMIE, TMPRSS3, TNC, TPRN, TRIOBP, TRMU, TSPEAR, TWNK, TYR, USH1C, USH1G, USH2A, VCAN, WBP2, WFS1, WHRN, ABHD12, ACTB, ACTG1, ADCY1, ADGRV1, AIFM1, ANKH, ATP2B2, ATP6V1B1, ATP6V1B2, BCS1L, BDP1, BSND, BTBD, CABP2, CACNA1D, CCDC50, CD151, CD164, CDC14A, CDH23, CDKN1C, CEACAM16, CEP78, CHD7, CHSY1, CIB2, CISD2, CLDN14, CLIC5, CLPP, CLRN1, COCH, COL11A1, COL11A2, COL2A1, COL4A3, COL4A4, COL4A5, COL4A6, COL9A1, COL9A2, COL9A3, CRYM, DCAF17, DCDC2, DIABLO, DIAPH1.

BIO-MINERALIZATION PANEL

FAH, TNFRSF11A, P4HB, SLC9A3R1, SLC34A3, PPIB, SOST, FGFR1, DMP1, SOX9, TNFRSF11B, TYROBP, PLOD2, MTAP, OCRL, PTDSS1, VDR, GALNT3, GJA1, PHEX, CRTAP, LRP5, ENPP1, SLC34A1, SLC02A1, PLEKHM1, CYP27B1, CYP2R1, FKBP10, FGFR3, IFITM5, CREB3L1, ALPL, SERPINH1, TGFB1, ANKH, SNX10, P3H1, PTH1R, OSTM1, SP7, CO-L1A2, CA2, SERPINF1, CLCN5, NOTCH2, KRAS, ABCC6, TMEM38B, TNFSF11, CLCN7, PLS3, MBTPS2, HRAS, ANO5, GNAS, COL1A1, TBXAS1, BMP1, NRAS, AP2S1, HPGD, SLC26A2, GORAB, GNA11, CASR, WNT1, TCIRG1, FGF23.

BIO-IMMUNO PANEL

CD79A, CD79B, CD81, CFAP298, CFH, CFI, CFTR, CHD7, CLCN7, CLPB, CORO1A, CR2, CSF2RB, CSF3R, CTC1, CTLA4, CTPS1, CTSC, CXCR4, CYBA, CYBB, DCLRE1C, DGKE, DKC1, DNAAF1, DNAAF2, DNAAF3, DNAAF4, DNAAF5, DNAH11, DNAH5, DNAI1, DNAI2, DNAL1, DOCK8, DRC1, DTNBP1, ELANE, FADD, FAS, FASLG, FGA, FGB, FGG, FOXN1, FOXP3, G6PC3, G6PD, GFI1, HAX1, HPS1, HPS3, HPS4, HPS5, HPS6, HYDIN, ICOS, IFIH1, IFNGR1, IFNGR2, IGLL1, IKBKB, IKBKG, IKZF1, IL12B, IL12RB1, IL12RB2, IL1RN, IL21R, IL2RA, IL2RG, IL7R, IRF8, ISG15, ITK, JAGN1, JAK3, KRAS, LAMTOR2, LIG4, LPIN2, LRBA, LRRC6, LRRC8A, LYST, MAGT1, MALT1, MCM4, MEFV, MOGS, MS4A1, MVK, NBN, NCF1, NCF2, NCF4, NFKB2, NFKBIA, NHEJ1, NHP2, NLRC4, NLRP12, NLRP3, NME8, NOD2, NOP10, NRAS, OFD1, PARN, PEPD, PIK3CD, PIK3R1, PLCG2, PNP, POLE, PRF1, PRKCD, PSTPIP1, PTPRC, RAB27A, RAC2, RAG1, RAG2, RANBP2, RBCK1, RFX5, RNASEH2A, RNASEH2B, RNASEH2C, RORC, RSPH1, RSPH4A, RSPH9, RTEL1, SAMD9, SAMHD1, SBDS, SERPING1, SH2D1A, SLC35C1, SLC7A7, SPAG1, SPINK5, SRP72, STAT1, STAT3, STAT5B, STIM1, STING1, STX11, STXBP2, TAZ, TBX1, TCN2, TERT, THBD, TICAM1, TINF2, TLR3, TNFRSF13B, TNFRSF13C, TNFRSF1A, TREX1, TRNT1, TTC7A, TYK2, UNC13D, UNG, VPS13B, VPS45, WAS, WRAP53, XIAP, ZAP70, ZMYND10, ACTB, ADA, ADAR, AICDA, AIRE, AK2, AP3B1, ARMC4, ATM, BLM, BLNK, BLOC1S3, BTK, C3, CARD11, CASP10, CASP8, CCDC103, CCDC114, CCDC151, CCDC39, CCDC40, CCDC65, CCNO, CD19, CD247, CD3D, CD3E, CD3G, CD40, CD40LG, CD46, CD59.

BIO-SKIN

CLDN1, COL17A1, COL7A1, CSTA, CYP4F22, DSG1, DSG4, DSP, DST, EBP, EFEMP2, ELN, ERCC2, ERCC3, EXPH5, FBLN5, FERMT1, FLG, GJB2, GJB3, GJB4, GTF2H5, HR, ITGA3, ITGA6, ITGB4, JUP, KRT1, KRT10, KRT14, KRT2, KRT5, KRT71, KRT74, LAMA3, LAMB3, LAMC2, LIPH, LIPN, LORICRIN, LPAR6, MMP1, MPLKIP, NIPAL4, PEX7, PHYH, PKP1, PLEC, PNPLA1, POMP, PYCR1, RPL21, SLC27A4, SNAP29, SNRPE, SPINK5, ST14, STS, SUMF1, TGM1, TGM5ABCA12, ALDH18A1, ALOX12B, ALOXE3, AP1S1, APCDD1, ATP6V0A2, ATP7A, CDSN, CERS3, CHST8.

MEDULA-ANEMIA PANEL

HOXA11, HPS1, HPS3, HPS4, HPS5, HPS6, HSPA9, IL2RG, ITGA2B, ITGB3, ITK, JAGN1, KLF1, KRAS, LIG4, LPIN2, LYST, MLH1, MPL, MRE11, MSH2, MSH6, MTR, MTRR, MYH9, NBN, NF1, NHP2, NOP10, NRAS, PALB2, PARN, PC, PDHA1, PDHX, PKLR, PMS2, PRF1, PTPN11, PUS1, RAC2, RAD51C, RBBP8, RBM8A, RIT1, RPL11, RPL15, RPL26, RPL27, RPL35A, RPL5, RPS10, RPS17, RPS19, RPS24, RPS26, RPS27, RPS28, RPS29, RPS7, RTEL1, RUNX1, SAMD9, SBDS, SEC23B, SH2D1A, SLC19A2, SLC19A3, SLC25A19, SLC25A38, SLC4A1, SLX4, SPTA1, SPTB, SRP72, STIM1, STX11, STXBP2, TCN2, TERT, TINF2, TP53, TPK1, TRNT1, UBE2T, UNC13D, VPS13B, VPS45, WAS, WRAP53, XIAP, XRCC2, YARS2ABCB7, ACTN1, ADAMTS13, AK2, ALAS2, AMN, ANK1, ANKRD26, AP3B1, ATM, ATRX, BLM, BLOC1S3, BRCA1BRCA2, BRIP1, C15ORF41, CASP10, CBL, CBLIF, CD36, CD40LG, CDAN1, CENPJ, CEP152, CLCN7, CLPB, CSF3R, CTC1, CUBN, CXCR4, CYB5R3, CYCS, DHFR, DIAPH1, DKC1, DTNBP1, ELANE, EPB42, ERCC4, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, FAS, FASLG, G6PC3, G6PD, GATA1, GFI1, GFI1B, GLRX5, GNE, GP1BA, GP1BB, GP9, GPI, GSS, HAX1, HBA1, HBA2, HBB, HFE.

SLC22A5, SLC25A4, SLC2A10, SLMAP, SMAD3, SMAD4, SMAD5, SMC3, SNTA1, SOS1, SOS2, SOX2, STRA6, SYNE1, SYNE2, TAB2, TAZ, TBX1, TBX20, TBX5, TCAP, TFAP2B, TGFB2, TGFB3, TGFB3R1, TGFB3R2, TLL1, TMEM43, TNNC1, TNNT1, TNNT2, TPM1, TRDN, TREX1, TRIM63, TRPM4, TRPM6, TTN, TTR, VCL, ZEB2, ZFPM2, ZIC3, ABCC9, ACTA2, ACTC1, ACTN2, ACVR2B, ACVRL1, AKAP9, ANK2, ANKRD1, ARHGAP31, ATM, B3GAT3, BAG3, BCOR, BMPR2, BRAF, CACNA1C, CACNB2, CALM1, CALM2, CASQ2, CAV3, CAVIN4, CBL, CDH2, CFAP53, CFC1, CHD7, CITED2, CLDN16, CLDN19, CNM2, COL1A1, COL1A2, COL3A1, COL4A1, COL4A2, COL5A1, COL5A2, CREBBP, CRELD1, CRYAB, CSRP3, CTNNA3, DES, DMD, DNAJC19, DOLK, DSC2, DSG2, DSP, DTNA, EFEMP2, EGF, EHMT1, ELN, EMD, ENG, EP300, EVC, EVC2, EYA4, FBN1, FBN2, FHL1, FKTN, FLNA, FLNC, FOXC1, FOXF1, FOXH1, FXD2, GAA, GATA4, GATA5, GATA6, GDF1, GDF2, GJA1, GJA5, GLA, GPC3, GPD1L, HCCS, HCN4, HFE, HRAS, HTRA1, ILK, JAG1, JPH2, JUP, KCNA1, KCNA5, KCND3, KCNE1, KCNE2, KCNE3, KCNH2, KCNJ2, KCNJ5, KCNK3, KCNQ1, KDM6A, KMT2D, KRAS, LAMA4, LAMP2, LDB3, LMNA, LZTR1, MAP2K2, MED12, MED13L, MEIS2, MFAP5, MIB1, MMP21, MMP3, MYBPC3, MYH11, MYH6, MYH7, MYL2, MYL3, MYLK, MYLK2, MYO6, MYOZ2, MYPN, NEBL, NEXN, NF1, NIPBL, NKX2-5, NKX2-6, NODAL, NOTCH1, NOTCH2, NOTCH3, NPPA, NR2F2, NRAS, NSD1, PDLIM3, PKD1L1, PKD2, PKP2, PLN, PRDM16, PRKAG2, PRKG1, PSEN1, PSEN2, PTPN11, RAF1, RASA1, RBM10, RBM20, RIT1, RYR2, SALL1, SALL4, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SCO2, SDHA, SEMA3A, SGCD, SHOC2, SKI, SLC12A3.

BLOC1S6, BMPR1B, BMPR2, CAV1, CCDC39, CCDC40, CFTR, CHAT, CHRNA1, CHRNB1, CHRND, CHRNE, COLO, CSF2RA, CSF2RB, DKC1, DNAAF1, DNAAF2, DNAH11, DNAH5, DNAH9, DNAI1, DNAI2, DNAL1, DOCK8, DTNBP1, ECE1, EDN3, EFEMP2, EIF2AK4, ELN, ENG, FBLN5, FBN1, FLCN, FOXF1, GDF2, GDNF, GLRA1, HPS1, HPS3, HPS4, HPS5, HPS6, ITGA3, KCNA5, KCNK3, MECP2, NF1, NFU1, NKX2-1, NME8, NOP10, NOTCH3, PARN, PHOX2A, PHOX2B, POLD1, RAPSN, RASA1, RET, RSPH1, RSPH4A, RSPH9, RTKL1, SARS2, SCN4A, SCNN1A, SCNN1B, SCNN1G, SERPINA1, SFTPA2, SFTPB, SFTPC, SLC6A5, SLC7A7, SMAD4, SMAD9, SMPD1, STAT3, STRA6, TERT, TINF2, TSC1, TSC2, ZEB2, ABCA3, ABCC8, ACVRL1, AP3B1, ASCL1, BLOC1S3.

MMACHC, CR2, INF2, DGKE, PLG, CFH, CFHR1, CFB, CFHR3, CFHR5, PIGA, CR1, CD46, ADAMTS13, CFI, CFHR2, CD59, THBD, MMUT, C3.

BIO- NEPHROLOGY

TSC2, TTC21B, TTC8, TULP1, UGT1A1, VHL, VIPAS39, WDPCP, WDR11, WDR19, WDR34, WDR35, WDR60, WDR73, WNK1, WNK4, WNT5A, WNT7A, WT1, ZIC3, ZMYND10, ZNF423, ABCB11, ABCB4, ABCC2, ACTN4, ACVR2B, AGPS, AHI1, AIPL1, AKR1D1, ALDOB, ALG8, ALPL, ANKH, ANKS6, ANO5, ANOS1, AP2S1, GNAS, GNPAT, GNRH1, GNRHR, GUCY2D, HAMP, HESX1, HEXA, HFE, HNF1B, HNF4A, HS6ST1, HSD11B2, HSD3B7, HSPG2, HYDIN, HYL51, IFITM5, IFT122, IFT140, IFT172, IFT27, IFT43, IFT80, IL17RD, IMPDH1, INF2, INPP5E, INPPL1, INVS, IQCB1, ITGA3, JAG1, KCNJ1, KCNJ10, KCNJ13, KCNJ5, KIF7, KISS1, KISS1R, KLHL3, LAMB2, LBR, LCA5, LCT, LEFTY2, LEP, LEPR, LHB, LHX3, LHX4, LIFR, LMX1B, LRAT, LRP5, LRRC6, LZTFL1, MAGI2, MATN3, MCEE, MERTK, MKKS, MKS1, MMAA, MMAB, MMADHC, MMP13, MMP21, MMP9, MMUT, MPV17, MYH9, MYO7A, NBAS, NEK1, NEK8, NEUROG3, NKX2-5, NKX3-2, NME8, NMNAT1, NODAL, NOG, NOTCH2, NPC1, NPC2, NPHP1, NPHP3, NPHP4, NPHS1, NPHS2, NR0B1, NR0B2, NR3C2, NSDHL, NSMF, OCRL, OFD1, OTX2, P3H1, PAX2, PCSK1, PDE6D, PDSS2, PEX1, PEX10, ARHGAP31, ARHGDIA, ARL13B, ARL6, ARMC4, ARSL, ATP6V0A4, ATP6V1B1, ATP8B1, ATR, B9D1, B9D2, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, BCS1L, BICC1, BMP1, BMPR1B, BSND, C8ORF37, CA2, CABP4, CANT1, CASP10, CASR, CC2D2A, CCDC103, CCDC114, CCDC151, CCDC28B, CCDC39, CCDC40, CCDC65, CCNO, CD2AP, CDKN1C, CENPF, CENPJ, PEX12, PEX2, PEX26, PEX5, PEX6, PEX7, PHEX, PHF6, PKD1L1, PKD2, PKHD1, PLCE1, PLOD2, PMM2, PNPLA6, POLG, POLR3B, POMC, POU1F1, PPARG, PPIB, PRKAR1A, PROK2, PROKR2, PROM1, PROP1, PRPH2, PTH1R, RBBP8, RD3, RDH12, RDH5, RHO, RLBP1, RMND1, ROR2, RPE65, RPGRIP1, RPGRIP1L, RRM2B, RSPH1, RSPH4A, RSPH9, RUNX2, SALL1, SALL4, SBDS, SCARB2, SCNN1A, SCNN1B, SCNN1G, SDCCAG8, SEMA3A, COQ6, COQ8B, COQ9, CPLANE1, CRB1, CRELD1, CRTAP, CRX, CSPP1, CTNS, CUBN, CUL3, CYP7B1, DDR2, DGKE, DGUOK, DHCR7, DMP1, DNAAF1, DNAAF2, DNAAF3, DNAAF4, DNAAF5, DNAH11, DNAH5, DNAI1, DNAI2, DNAL1, DRC1, DUSP6, DYM, DYNC2H1, EBP, EIF2AK3, ENPP1, ESCO2, EVC, EVC2, FAH, FAS, FASLG, FEZF1, FGF17, FGF23, FGF8, FGFR1, FKBP10, FLNB, FLRT3, FSHB, FXD2, GDF1, GDF5, GFM1, GHR, GLA, GLI2, GLI3, GLIS2, GNA11, SERPINA1, SERPINF1, SERPINH1, SLC12A1, SLC12A3, SLC25A13, SLC25A15, SLC26A2, SLC26A3, SLC2A2, SLC34A1, SLC34A3, SLC35D1, SLC4A1, SLC4A4, SLCO1B1, SLCO1B3, SMPD1, SOX10, SOX2, SOX3, SOX9, SPAG1, SPATA7, SPINT2, SPRY4, TAC3, TACR3, TBX5, TCTN1, TCTN2, TCTN3, TFR2, TJP2, TMEM138, TMEM216, TMEM231, TMEM237, TMEM67, TNFRSF11B, TRIM32, TRIP11, TRMU, TRPC6, TRPS1, TRPV4, TSC1, CEP152, CEP164, CEP290, CEP41, CEP63, CFAP298, CFAP53, CFC1, CFTR, CHD7, CHSY1, CILK1, CLCN5, CLCNKA, CLCNKB, CLDN16, CLDN19, CNGA3, COL10A1, COL4A1, COL4A3, COL4A4, COL4A5, COL9A3, COMP, COQ2.

BBS1, BBS2, BBS3, BBS4, BBS5, BBS7, BBS9, BCOR, BGN, BIN1, BMP1, BMP4, BMPR1B, BRAF, C8ORF37, CANT1, CASK, CASR, CBL, CBS, CC2D2A, CCDC103, CCDC114, CCDC151, CCDC28B, CCDC39, CCDC40, CCDC65, CCM2, CCNO, CDK5RAP2, CDKN1C, CDON, CENPF, CENPJ, CEP135, CEP152, CEP164, CEP290, CEP41, CEP63, CFAP298, CFAP53, CFC1, CFL2, CHAT, TMEM138, TMEM216, TMEM231, TMEM237, TMEM67, TNFRSF11B, TNNT2, TNNT1, TNNT3, TNXB, TOR1A, TP63, TPM2, TPM3, TRIM32, TRIP11, TRMT10A, TRPS1, TRPV4, TSC1, TSC2, TSEN2, TSEN54, TTC21B, TTC8, TUBA1A, TUBA8, TUBB, TUBB2A, TUBB2B, TUBB3, TUBG1, TUBGCP4, TUBGCP6, TWIST1, TYR, UBA1, VAMP1, VIPAS39, VLDLR, VPS13B, VPS53, VRK1, VSX2, WDPCP, WDR19, WDR34, MEIS2, MEOX1, MFAP5, MFRP, MFSD2A, MITF, MKKS, MKS1, MMP13, MMP21, MMP9, MSMO1, MSX1, MSX2, MTM1, MUSK, MYBPC1, MYCN, MYH11, MYH2, MYH3, MYH8, MYLK, MYO18B, MYO7A, NAA10, NALCN, NDE1, NDP, NEB, NECTIN1, NEK1, NEK8, NF1, NF2, NHEJ1, NIPBL, NKX2-5, NKX3-2, NME8, NODAL, NOG, NOTCH1, NPHP1, NPHP3, NR0B2, NRAS, NRG1, NSDHL, OCRL, OFD1, ORC1, OTX2, P3H1, PAFAH1B1, PAX2, PAX3, PAX6, PCNT, PDCD10, PDE6D, PEX7, PHC1, PHEX, PHF6, PIEZO2, PIGV, PITX2, PKD1L1, PKD2, PKHD1, PLK4, PLOD1, PLOD2, PMM2, PNKP, PNPLA6, POMC, POMGNT1, POMGNT2, POMK, POMT1, POMT2, POR, PPARG, PPIB, PQBP1, PRDM5, PRKAR1A, DYRK1A, EBP, ECE1, ECEL1, EDN3, EDNRB, EFEMP2, EFNB1, EFTUD2, EGR2, EIF2AK3, ELN, ENPP1, ERCC1, RPL10, RPS6KA3, RSPH1, RSPH4A, RSPH9, RUNX2, RXYLT1, RYR1, SALL1, SALL2, SALL4, SASS6, SATB2, SBDS, SCN4A, SDCCAG8, SELENON, SEPSECS, SERPINF1, SERPINH1, SHH, SHOC2, SHROOM4, SIX3, SIX6, SKI, SLC25A19, SLC26A2, SLC2A10, SLC34A3, SLC35D1, SLC39A13, SLC5A7, SLC9A6, SMAD2, SMAD3, SMAD4, SMAD6, SMARCA2, SMARCA4, SMARCB1, SMARCE1, SMC1A, SMC3, SMCHD1, SMOC1, SNAI2, SOS1, SOS2, SOX10, SOX2, SOX9, SP7, SPAG1, SPRED1, STAMBP, STIL, STRA6, SUMO1, TAF6, TBC1D20, TBC1D24, TBX5, TCF12, TCF4, TCTN1, TCTN2, TCTN3, TENM3, TFAP2A, TGFB2, TGFB3, WDR35, WDR60, WDR62, WNT1, WNT5A, WNT7A, YWHAE, ZEB2, ZIC2, ZIC3, ZMYND10, ZNF335, ZNF423, ZNF469ABC6, ABCC6, ACTA1, ACTA2, ACTB, ACTG1, ACVR2B, ADAMTS2, ADAMTSL2, ADGRG1, AFF4, AGPS, AGRN, AHI1, AKT3, ALDH18A1, ALDH1A3, ALG2, ALPL, AMPD2, ANKH, ANKRD11, ANO5, AP4M1, ARFGEF2, ARHGAP31, ARID1A, ARID1B, ARL13B, ARL6, ARMC4, ARSL, ARX, ASPM, ASXL1, ASXL3, ATP6V0A2, ATP7A, ATR, ATRX, B3GALNT2, B3GALT6, B3GAT3, B4GALT7, B4GAT1, B9D1, B9D2, BBS1, BBS10, MAGEL2, FLNB, FOXC1, FOXE3, FOXH1, FOXL2, FRAS1, FREM1, FREM2, GBA, GBE1, GDF1, GDF3, GDF5, GDF6, GDNF, GFPT1, GJA1, GLE1, GLI2, GLI3, GMPPB, GNAS, GNPAT, GORAB, GRIP1, HCCS, HDAC8, HESX1, HEXA, HMGB3, HMX1, HRAS, HSPG2, HUWE1, HYDIN, HYL1, IER3IP1, IFITM5, IFT122, IFT140, IFT172, IFT27, IFT43, IFT80, IL11RA, INPP5E, INPPL1, IRF6, ITGB4, KAT6B, KATNB1, KBTBD13, KDM5C, KDM6A, KIF11, KIF2A, KIF5C, KIF7, KIT, KLHL40, KLHL41, KMT2A, KMT2D, KNL1, KRAS, KRIT1, L1CAM, CHD7, CHMP1A, CHRNA1, CHRNB1, CHRND, CHRNE, CHRNG, CHST14, CHSY1, CILK1, CLCN5, COASY, COL10A1, COL11A1, COL11A2, COL12A1, COL1A1, COL1A2, COL2A1, COL3A1, COL4A1, COL5A1, COL5A2, COL6A1, COL6A2, COL6A3, COL9A1, COL9A2, COL9A3, COLQ, COMP, COX7B, CPLANE1, CREB3L1, CREBBP, CRELD1, CRIPT, CRPPA, CRTAP, CSPP1, CUL7, CYP1B1, DAG1, DCX, DDR2, DHCR24, DHCR7, DMP1, DNAAF1, DNAAF2, DNAAF3, DNAAF4, DNAAF5, DNAH11, DNAH5, DNAI1, DNAI2, DNAL1, DNM2, DOK7, DPAGT1, DRC1, DSE, DYM, DYNC1H1, DYNC2H1, LRP5, LRRC6, LZTFL1, LZTR1, MAB21L2, ERCC2, ERCC5, ERCC6, ERF, ESCO2, EVC, EVC2, EXOSC3, FAS, FBLN5, FBN1, FBN2, FGF23, FGF8, FGFR1, FGFR2, FGFR3, FHL1, FKBP10, FKBP14, FKRP, FKTN, FLCN, FLNA, TGFB1, TGFB2, TGIF1, TK2, LAMA2, LAMA3, LAMB1, LAMB3, LAMC2, LARGE1, LBR, LEFTY2, LEP, LEPR, LIFR, LMNA, LMOD3, LMX1B, LOX, LRP2, PRKG1, PROM1, PRPH2, PRSS56, PTCH1, PTH1R, PTPN11, PYCR1, PYCR2, QARS1, RAB18, RAB23, RAB3GAP1, RAB3GAP2, RAD21, RAF1, RAPSN, RARB, RARS2, RASA1, RASA2, RAX, RBBP8, RBP4, RDH5, RELN, RET, RHO, RIN2, RIT1, RLBP1, ROR2, RPRG1, MAP2K1, MAP2K2, MASP1, MAT2A, MATN3, MBTPS2, MCPH1, MED12, MED17, MEGF8.

BMRP1A, BRCA1, BRCA2, PRSS1, PTEN, RNF43, CDH1, CDKN2A, CHEK2, EPCAM, FLCN, GALNT12, MLH1, MLH3, MSH2, MSH3, MSH6, MUTYH, NBN, NTHL1, PALB2, PMS2, POLD1, POLE, SMAD4, STK11, TGFB2, TP53, VHL APC, ATM, AXIN2, BLM.

BIO-TUMOR PANEL

FANCA, FANCD2, FANCI, FBXW7, FGFR1, FGFR2, FGFR3, FGFR4, FLT3, FOXL2, GATA2, GNA11, GNAQ, GNAS, CBL, CCND1, CDH1, CDK12, TP53, TSC1, TSC2, TSHR, U2AF1, VHL, XPO1, ABL1, AKT1, AKT2, AKT3, ALK, APC, AR, PDGFRB, PIK3CA, PIK3CB, PIK3R1, PMS2, POLE, PPP2R1A, PTCH1, PTEN, PTPN11, RAC1, MEN1, ARAF, ARID1A, ASXL1, ATM, ATR, ATRX, AXL, ERBB3, ERBB4, ERCC2, ESR1, EZH2, H3-3A, MLH1, MPL, MRE11, MSH2, MSH6, MTOR, MYC, MYCN, MYD88, NBN, NF1, NF2, NFE2L2, NOTCH1, NOTCH2, CDK4, CDK6, CDKN1B, CDKN2A, CDKN2B, CHEK1, CHEK2, RAD51C, RAD51D, RAF1, RB1, RBM10, RET, RHEB, RHOA, RIT1, RNF43, ROS1, SETD2, SF3B1, SLX4, SMAD4, SMARCA4, SMARCB1, SMO, SPOP, SRC, STAT3, STK11, TERT, TOP1, NOTCH3, NRAS, NTRK1, NTRK2, NTRK3, PALB2, PDGFRA, RAD51, RAD51B, BAP1, BRAF, BRCA1, BRCA2, BTK, RAD50, H3C2, HNF1A, HRAS, IDH1, IDH2, JAK1, JAK2, JAK3, KDR, KEAP1, KIT, KMT2A, KMT2C, KMT2D, KNSTRN, KRAS, MAGOH, MAP2K1, MAP2K2, MAP2K4, MAPK1, MAX, MDM4, MED12, MET, CREBBP, CSF1R, CTNNB1, DDR2, EGFR, ERBB2.

BIO-CONNECTIVE TISSUE DISORDERS PANEL

FBN2, FKBP14, FLCN, FLNA, NOTCH1, PLOD1, COL1A1, COL1A2, COL2A1, COL3A1, COL5A1, COL5A2, SMAD6, SP7, MYLK, COL9A3, LAMA3, LAMB3, PRKG1, TGFB3, TGFB1, TGFB2, TNXB, VCAN, WNT1, ZNF469, ADAMTS2, FOXE3, GORAB, ITGB4, KCNJ13, LAMC2, LOX, LRP2, MAT2A, MBTPS2, MED12, MFAP5, MYH11, ADAMTS2L, ALDH18A1, ATP6V0A2, ATP7A, B3GALT6, B3GALT3, B4GALT7, BGN, CBS, COL9A2, COL9A1, ABCC6, ACTA2, COL12A1, PYCR1, RIN2, SKI, SLC2A10, SLC39A13, SMAD2, SMAD3, SMAD4, CHST14, COL11A1, TGFB2, PRDM5, COL11A2, CREB3L1, DSE, EFEMP2, ELN, FBLN5, FBN1.

BRCA1-2 PANEL

BRCA1, BRCA2

BREAST PANEL

ABRAXAS1, ATM, BRCA2, BRIP1, MEN1, MLH1, MRE11, MSH2, NBN, PALB2, PMS1, PMS2, PTEN, RAD50, RAD51C, RAD51D, RECQL, SMARCA4, STK11, MSH6, MUTYH, TP53, XRCC2, BARD1, BRCA1, CDH1, CHEK2, DICER1, EPCAM, FANCC.

HEREDITARY CARDIOMYOPATHIES PANEL

ABCC9, ACTA2, ACTC1, ACTN2, ACVR2B, ACVRL1, AKAP9, ANK2, ANKRD1, ARHGAP31, ATM, B3GALT3, BAG3, BCOR, BMPR2, BRAF, CACNA1C, CACNB2, CALM1, CALM2, CASQ2, CAV3, CAVIN4, CBL, CDH2, CFAP53, CFC1, CHD7, CITED2, CLDN16, CLDN19, CNM2, COL1A1, COL1A2, COL3A1, COL4A1, COL4A2, COL5A1, COL5A2, CREBBP, CRELD1, CRYAB, CSRP3, CTNNA3, DES, DMD, DNAJC19, DOLK, DSC2, DSG2, DSP, DTNA, EFEMP2, EGF, EHMT1, ELN, EMD, ENG, EP300, EVC, EVC2, EYA4, FBN1, FBN2, FHL1, FKTN, FLNA, FLNC, FOXC1, FOXF1, FOXH1, FXR2, GAA, GATA4, GATA5, GATA6, GDF1, GDF2, GJA1, GJA5, GLA, GPC3, GPD1L, HCCS, HCN4, HFE, HRAS, HTRA1, ILK, JAG1, JPH2, JUP, KCNA1, KCNA5, KCND3, KCNE1, KCNE2, KCNE3, KCNH2, KCNJ2, KCNJ5, KCNK3, KCNQ1, KDM6A, KMT2D, KRAS, LAMA4, LAMP2, LDB3, LMNA, LZTR1, MAP2K2, MED12, MED13L, MEIS2, MFAP5, MIB1, MMP21, MMP3, MYBPC3, MYH11, MYH6, MYH7, MYL2, MYL3, MYLK, MYLK2, MYO6, MYOZ2, MYPN, NEBL, NEXN, NF1, NIPBL, NKX2-5, NKX2-6, NODAL, NOTCH1, NOTCH2, NOTCH3, NPPA, NR2F2, NRAS, NSD1, PDLIM3, PKD1L1, PKD2, PKP2, PLN, PRDM16, PRKAG2, PRKG1, PSEN1, PSEN2, PTPN11, RAF1, RASA1, RBM10, RBM20, RIT1, RYR2, SALL1, SALL4, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SCO2, SDHA, SEMA3A, SGCD, SHOC2, SKI, SLC12A3, SLC22A5, SLC25A4, SLC2A10, SLMAP, SMAD3, SMAD4, SMAD6, SMC3, SNTA1, SOS1, SOS2, SOX2, STRA6, SYNE1, SYNE2, TAB2, TAZ, TBX1, TBX20, TBX5, TCAP, TFAP2B, TGFB2, TGFB3, TGFB1, TGFB2, TLL1, TMEM43, TNNC1, TNNT3, TNNT2, TPM1, TRDN, TREX1, TRIM63, TRPM4, TRPM6, TTN, TTR, VCL, ZEB2, ZFPM2, ZIC3.



BIOGENOME