



| A |
|-------------------|
| ABCC9 |
| ABCG5 |
| ABCG8 |
| ACTA2 |
| ACTC1 |
| ACTN2 |
| ACVRL1 (ALK1) |
| ADA (ADA1) |
| ADA1 (ADA) |
| ADA2 (CECR1) |
| ADAM17 |
| ADAMTS13 |
| ADAMTS2 |
| AICDA |
| AK1 |
| AK2 |
| AKAP9 |
| ALDOA |
| ALK1 (ACVRL1) |
| ANK1 |
| ANK2 |
| ANKRD1 |
| ANKRD26 |
| AP3B1 (HP2) |
| APOB |
| ARTEMIS (DCLRE1C) |
| ATM |
| ATP7A |
| B |
| B29 (CD79B) |
| BIRC4 (XIAP) |
| BLNK |
| BMP9 (GDF2) |
| BPGM |
| BRAF |
| BTK |
| C |
| C15ORF41 |
| C16ORF57 (USB1) |
| C1AS1 (NLRP3) |

| |
|------------------|
| C3 |
| CACNA1C |
| CACNA2D1 |
| CACNB2 |
| CARD11 |
| CARD14 |
| CARD15 (NOD2) |
| CAV3 |
| CBL |
| CBS |
| CD19 |
| CD20 (MS4A1) |
| CD21 (CR2) |
| CD247 (CD3Z) |
| CD25 (IL2RA) |
| CD27 |
| CD2BP1 (PSTPIP1) |
| CD3D |
| CD3E |
| CD3G |
| CD3Z (CD247) |
| CD40 |
| CD40LG |
| CD45 (PTPRC) |
| CD46 (MCP) |
| CD59 |
| CD79A |
| CD79B (B29) |
| CD81 |
| CD8A |
| CDAN1 |
| CDG1 (PMM2) |
| CEBPA |
| CEBPE |
| CECR1 (ADA2) |
| CFB |
| CFD |
| CFH |
| CFHR1 |
| CFHR3 |
| CFHR5 |

| CFI |
|-------------------|
| CHD7 |
| CHST14 |
| CIITA |
| COH1 (VPS13B) |
| COL1A1 |
| COL1A2 |
| COL3A1 |
| COL5A1 |
| COL5A2 |
| CORO1A |
| CR2 (CD21) |
| CRYAB |
| CSF2RA |
| CSF3R |
| CSRP3 |
| CTC1 |
| CTLA4 |
| CTPS1 |
| CTSC |
| CXCR4 |
| CYB5A |
| CYB5R3 |
| CYBA |
| CYBB |
| D |
| DCLRE1C (ARTEMIS) |
| DDX41 |
| DES |
| DGKE |
| DKC1 |
| DOCK8 |
| DSC2 |
| DSG2 |
| DSP |
| DTNA |
| E |
| E47 (TCF3) |
| EGLN1 |
| ELA2 (ELANE) |
| ELANE (ELA2) |

| ENG |
|-----------------|
| EPAS1 |
| EPB41 |
| EPB42 |
| EPOR |
| ETV6 |
| F |
| F8 |
| FBN1 |
| FBN2 |
| FERMT3 |
| FLNA |
| FKBP14 |
| FOXP1 |
| FOXP3 |
| FPR1 |
| G |
| G6PC3 |
| G6PD |
| GATA1 |
| GATA2 |
| GCLC |
| GDF2 (BMP9) |
| GFI1 |
| GLA |
| GPD1L |
| GPI |
| GSR |
| GSS |
| GYPC |
| H |
| HAX1 |
| HK1 |
| HMOX1 |
| HOIL1 (RBCK1) |
| HP2 (AP3B1) |
| HRAS |
| I |
| ICOS |
| IGHM |
| IGLL1 (Lambda5) |

Note: CNV analysis is available for KVAR1 testing.

Genes Available for Known Variant Analysis Testing
(KVAR1, KVAR2, or KVAR3) (continued)

| | | | |
|-------------------|-------------------|------------------|---------------|
| IKAROS (IKZF1) | LDB3 | NLRC4 | RASGRP2 |
| IKBA (NFKBIA) | LDLR | NLRP12 | RBCK1 (HOIL1) |
| IKBKB | LDLRAP1 | NLRP3 (C1AS1) | RBM20 |
| IKBKG (NEMO) | LIG4 | NOD2 (CARD15) | RBM8A |
| IKZF1 (IKAROS) | LMNA | NOP10 | RFX5 |
| IL10 | LPIN2 | NOTCH1 | RFXANK |
| IL10RA | LRBA | NRAS | RFXAP |
| IL10RB | LRRC8A | NT5C3A | RHAG |
| IL1RN | M | O | RHOH |
| IL21 | MAGT1 | ORAI1 | RMRP |
| IL21R | MALT1 | OX40 (TNFRSF4) | RNF168 |
| IL2RA (CD25) | MAP2K1 | P | RTEL1 |
| IL2RG | MAP2K2 | PCSK9 | RUNX1 |
| IL36RN | MAPBPIP (LAMTOR2) | PFKM | RYR2 |
| IL7R | MCP (CD46) | PGK1 | S |
| ISG15 | MEFV | PIEZO1 | SBDS |
| ITGB2 | MFAP5 | PIK3CD | SCN1B |
| ITK | MPL | PIK3R1 | SCN3B |
| J | MPO | PKP2 | SCN4B |
| JAK2 | MS4A1 (CD20) | PLCG2 | SCN5A |
| JAK3 | MTHFD1 | PLG | SEC23B |
| JUP | MVK | PLN | SEMA3E |
| K | MYBPC3 | PMM2 (CDG1) | SERPINC1 |
| KCNE1 | MYH11 | PNP | SGCD |
| KCNE2 | MYH6 | PRKAG2 | SH2B3 |
| KCNE3 | MYH7 | PRKCD | SH2D1A |
| KCNH2 | MYL2 | PRKDC | SH3BP2 |
| KCNJ2 | MYL3 | PRKG1 | SHOC2 |
| KCNJ5 | MYLK | PROC | SKI |
| KCNJ8 | MYLK2 | PROS1 | SKIV2L |
| KCNN4 | MYOZ2 | PSMB8 | SLC2A1 |
| KCNQ1 | MYPN | PSTPIP1 (CD2BP1) | SLC2A10 |
| KIF23 | N | PTPN11 | SLC37A4 |
| KLF1 | NCF2 | PTPRC (CD45) | SLC39A13 |
| KRAS | NCF4 | Q | SLC46A1 |
| L | NEMO (IKBKG) | R | SLC4A1 |
| LAMA4 | NEXN | RAC2 | SMAD3 |
| Lambda5 (IGLL1) | NFKB2 | RAF1 | SMAD4 |
| LAMP2 | NFKBIA (IKBA) | RAG1 | SNTA1 |
| LAMTOR2 (MAPBPIP) | NHEJ1 | RAG2 | SOS1 |
| LCK | NHP2 | RASA1 | SPINK5 |

Note: CNV analysis is available for KVAR1 testing.

Genes Available for Known Variant Analysis Testing (KVAR1, KVAR2, or KVAR3) (continued)

| | |
|------------------|-----------------|
| SPTA1 | TPI1 |
| SPTB | TPM1 |
| SRP72 | TRAC |
| STAT1 | TTC37 |
| STAT3 | TTC7A |
| STAT5B | TTN |
| STIM1 | TTR |
| STK4 | TWEAK (TNFSF12) |
| STXBP2 | U |
| T | UGT1A1 |
| TAC1 (TNFRSF13B) | UNG |
| TAP1 | USB1 |
| TAP2 | USB1 (C16ORF57) |
| TAPBP | V |
| TAZ | VCL |
| TBX1 | VPS13B |
| TCAP | VPS13B (COH1) |
| TCF3 | VPS45 |
| TCF3 (E47) | VWF |
| TERC | W |
| TERT | WAS |
| TGFB2 | WIPF1 |
| TGFB3 | WRAP53 |
| TGFBR1 | X |
| TGFBR2 | XIAP |
| THBD | XIAP (BIRC4) |
| TINF2 | Y |
| TMEM43 | Z |
| TNFAIP3 | ZAP70 |
| TNFRSF13B | |
| TNFRSF13B (TAC1) | |
| TNFRSF13C | |
| TNFRSF1A | |
| TNFRSF4 | |
| TNFRSF4 (OX40) | |
| TNFSF12 | |
| TNFSF12 (TWEAK) | |
| TNNC1 | |
| TNNI3 | |
| TNNT2 | |
| TP53 | |

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