ThermoFisher SCIENTIFIC

Oncomine Comprehensive Assay Plus gene list

Ion Torrent™ Oncomine™ Comprehensive Assay Plus (517 DNA and RNA genes plus HRD, TMB, and MSI)									
A1CF	*BRCA2*,***	*CUL4A**	*FANCG**	*IDH2*	*MED12*	*OR2T3*	*POT1**	*ROS1*	*TAP1**
ABCB1	*BRINP3**	*CUL4B**	*FANCI**	*IGF1R*	*MEF2B**	*OR2T33*	*PPARG*	*RPA1**	*TAP2**
ABL1	*BRIP1**	*CYLD**	*FANCL**	*IKBKB*	*MEN1**	*OR2T4*	*PPFIA2*	*RPL10*	*TAPBP*
ABL2	*BTK*	*CYP2C9**	*FANCM**	*IL6ST*	*MET*	*OR2W3**	*PPM1D**	*RPL22**	*TBX3**
*ABRAXAS1**	*C6*	*CYP2D6**	*FAS**	*IL7R*	*MGA**	*OR4A15*	*PPP2R1A*	*RPL5**	*TCF7L2**
ACSM2B	*C8A*	*CYSLTR2*	*FAT1**	*INPP4B**	*MITF*	*OR4C15*	*PPP2R2A**	*RPS6KB1*	*TERT*
ACVR1	*C8B*	*DAXX**	*FBXW7**	*IRF4*	*MLH1**	*OR4C6**	*PPP6C*	*RPTN*	*TET2**
*ACVR1B**	*CACNA1D*	*DCAF4L2**	*FGF19**	*IRS4*	*MLH3**	*OR4M1*	*PRDM1**	*RPTOR*	*TFE3*
*ACVR2A**	*CALR**	*DCDC1*	*FGF23**	*JAK1**	*MPL*	*OR4M2*	*PRDM9**	*RSPO2*	*TFEB*
ADAM18	*CANX*	*DDR1*	*FGF3**	*JAK2**	*MRE11**	*OR5D18*	*PRKACA*	*RSPO3*	*TGFBR1*
*ADAMTS12**	*CARD11*	*DDR2*	*FGF4**	*JAK3**	*MSH2**	*OR5F1*	*PRKACB*	*RUNDC3B*	*TGFBR2**
*ADAMTS2**	*CASP8**	*DDX3X**	*FGF7*	*KCND2*	*MSH3**	*OR5L1**	*PRKAR1A**	*RUNX1**	*TMEM132D**
AKT1	*CASR*	*DGCR8*	*FGF9**	*KCNH7*	*MSH6**	*OR5L2**	*PSMB10**	*RUNX1T1**	*TNFAIP3**
AKT2	*CBFB**	*DICER1**	*FGFR1*	*KCNJ5*	*MTAP**	*OR6F1**	*PSMB8**	*SDHA**	*TNFRSF14**
AKT3	*CBL*	*DNMT3A**	*FGFR2*	*KDM5C**	*MTOR*	*OR8H2*	*PSMB9**	*SDHB**	*TOP1*
ALK	*CCND1**	*DOCK3**	*FGFR3*	*KDM6A**	*MTUS2**	*OR8I2*	*PTCH1**	*SDHC**	*TOP2A*
*AMER1**	*CCND2**	*DPYD**	*FGFR4*	*KDR*	*MUTYH**	*OR8U1*	*PTEN**	*SDHD**	*TP53**
ANO4	*CCND3*	*DROSHA*	*FLT3*	*KEAP1**	*MYB*	*ORC4*	*PTPN11*	*SETBP1*	*TP63**
*APC**	*CCNE1*	*DSC1**	*FLT4*	*KEL*	*MYBL1*	*PAK5*	*PTPRD*	*SETD2**	*TPMT*
AR	*CD163*	*DSC3**	*FOXA1*	*KIR3DL1*	*MYC*	*PALB2**	*PTPRT**	*SF3B1*	*TPP2**
ARAF	*CD274**	*E2F1*	*FOXL2*	*KIT*	*MYCL*	*PARP1**	*PXDNL*	*SH3RF2*	*TPTE*
*ARHGAP35**	*CD276**	*EGFR*	*FOXO1*	*KLF4*	*MYCN*	*PARP2**	*RAC1*	*SIX1*	*TRHDE*
*ARID1A**	*CD79B*	*EIF1AX**	*FUBP1**	*KLF5*	*MYD88*	*PARP3**	*RAD50**	*SIX2*	*TRIM48*
*ARID1B**	*CDC73**	*ELF3**	*FYN*	*KLHL13**	*MYOD1*	*PARP4**	*RAD51**	*SLC15A2*	*TRIM51*
*ARID2**	*CDH1**	*EMSY*	*GALNT17*	*KMT2A**	*NBN**	*PAX5*	*RAD51B**	*SLC8A1*	*TRRAP*
*ARID5B**	*CDH10**	*ENO1**	*GATA2*	*KMT2B**	*NCOR1**	*PBRM1**	*RAD51C**	*SLCO1B3*	*TSC1**
ARMC4	*CDK12**	*EP300**	*GATA3**	*KMT2C**	*NF1**	*PCBP1**	*RAD51D**	*SLX4**	*TSC2**
*ASXL1**	*CDK4**	*EPAS1*	*GLI1*	*KMT2D**	*NF2**	*PCDH17*	*RAD52**	*SMAD2**	*TSHR*
*ASXL2**	*CDK6*	*EPCAM**	*GLI3*	*KNSTRN*	*NFE2L2*	*PDCD1**	*RAD54L**	*SMAD4**	*U2AF1*
*ATM**	*CDKN1A**	*EPHA2**	*GNA11*	*KRAS**	*NLRC5*	*PDCD1LG2**	*RAF1*	*SMARCA4**	*UGT1A1**
ATP1A1	*CDKN1B**	*ERAP1**	*GNA13**	*KRTAP21-1**	*NOL4*	*PDE1A*	*RARA*	*SMARCB1**	*USP8*
*ATR**	*CDKN2A**	*ERAP2**	*GNAQ*	*KRTAP6-2**	*NOTCH1**	*PDE1C*	*RASA1**	*SMC1A*	*USP9X**
*ATRX**	*CDKN2B**	*ERBB2*	*GNAS*	*LARP4B**	*NOTCH2**	*PDGFRA*	*RASA2**	*SMO*	*VHL**
AURKA	*CDKN2C**	*ERBB3*	*GPR158*	*LATS1**	*NOTCH3**	*PDGFRB*	*RB1**	*SNCAIP*	*WAS*
AURKB	*CHD4*	*ERBB4*	*GPS2**	*LATS2**	*NOTCH4**	*PDIA3**	*RBM10**	*SOCS1**	*WT1**
AURKC	*CHEK1**	*ERCC2**	*GRID2*	*LRRC7*	*NRAS**	*PGD**	*RBP3*	*SOS1*	*XPO1*
*AXIN1**	*CHEK2**	*ERCC4**	*H1-4*	*MAGOH**	*NRG*	*PHF6**	*RECQL4**	*SOX2*	*XRCC2**
*AXIN2**	*CIC**	*ERCC5**	*H2BC5*	*MAP2K1*	*NRXN1*	*PIK3C2B*	*REG1A*	*SOX9**	*XRCC3**
AXL	*CIITA**	*ERG*	*H3-3A*	*MAP2K2*	*NSD2*	*PIK3CA*	*REG1B*	*SPEN**	*YAP1*
*B2M**	*CNTN6*	*ERRFI1**	*H3-3B**	*MAP2K4**	*NT5C2*	*PIK3CB*	*REG3A*	*SPOP*	*YES1*
*BAP1**	*CNTNAP4*	*ESR1*	*H3C2*	*MAP2K7**	*NTRK1*	*PIK3CD*	*REG3G*	*SRC*	*ZBTB20**
*BARD1**	*CNTNAP5*	*ETV1*	*HCN1**	*MAP3K1**	*NTRK2*	*PIK3CG*	*RELA*	*SRSF2*	*ZFHX3**
*BCL2**	*COL11A1*	*ETV4*	*HDAC2**	*MAP3K4**	*NTRK3*	*PIK3R1**	*RET*	*STAG2**	*ZIM3*
BCL2L12	*CREBBP**	*ETV5*	*HDAC9**	*MAP3K8*	*NUP93*	*PIK3R2*	*RGS7*	*STAT1**	*ZMYM3**
BCL6	*CSF1R*	*ETV6**	*HIF1A*	*MAPK1*	*NUTM1*	*PIM1*	*RHEB**	*STAT3*	*ZNF217*
*BCOR**	*CSMD3**	*EZH2*	*HLA-A**	*MAPK8**	*NYAP2*	*PLCG1*	*RHOA*	*STAT5B*	*ZNF429*
BCR	*CTCF**	*FAM135B*	*HLA-B**	*MARCO*	*OR10G8**	*PLXDC2*	*RICTOR*	*STAT6*	*ZNF479*
*BLM**	*CTLA4**	*FANCA**	*HLA-C*	*MAX**	*OR2G6**	*PMS1**	*RIT1*	*STK11**	*ZNF536*
BMP5	*CTNNB1*	*FANCC**	*HNF1A**	*MCL1**	*OR2L13**	*PMS2**	*RNASEH2A**	*SUFU**	*ZRSR2**
*BMPR2**	*CTNND2*	*FANCD2**	*HRAS**	*MDM2*	*OR2L2*	*POLD1**	*RNASEH2B**	*SYT10*	
BRAF	*CUL1*	*FANCE**	*ID3**	*MDM4*	*OR2L8*	*POLE**	*RNASEH2C**	*SYT16*	
BRCA1,***	*CUL3**	*FANCF**	*IDH1*	*MECOM*	*OR2M3**	*POM121L12**	*RNF43**	*TAF1*	

* Full-length gene.

** Large rearrangements.

Note: HRD: homologous recombination deficiency; TMB: tumor mutational burden; MSI: microsatellite instability.

Learn more at **thermofisher.com/oncomine-ocaplus**

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