

ForeSENTIA GENES AND GENETIC ALTERATIONS TESTED

GENES TESTED

The following table indicates the genes tested.



































































<b>Pan-Cancer Advanced</b> 392 genes	ABL1, ABL2, AKT1, AKT2, AKT3, ALK, ANKRD26, APC, AR, ARAF, ARID1A, ARID1B, ARID2, ARID5B, ASXL1, ATM, ATR, ATRIP, ATRX, AURKA, AURKB, AXIN2, B2M, BAP1, BARD1, BCL10, BCL2, BCL2L1, BCL2L11, BCL2L2, BCL6, BCOR, BCORL1, BCR, BLM, BMPR1A, BRAF, BRCA1, BRCA2, BRD4, BRINP1, BRIP1, BUB1B, CALR, CASP8, CBFB, CBL, CBLB, CBLC, CCAR2, CCND1, CCND2, CCND3, CCNE1, CD22, CD274, CD276, CD70, CD74, CD79A, CD79B, CDC25C, CDC73, CDH1, CDK12, CDK4, CDK6, CDK8, CDKN1A, CDKN1B, CDKN2A, CDKN2B, CDKN2C, CEBPA, CGAS, CHD2, CHD4, CHEK1, CHEK2, CIC, CREBBP, CSF1R, CSF3R, CTLA4, CTNNB1, CUX1, CXCR4, DCK, DDR2, DDX3X, DDX41, DEK, DHX15, DICER1, DNMT1, DNMT3A, DNMT3B, DPYD, DUSP22, E2F3, EGFR, EIF1AX, EP300, EPCAM, ERBB2, ERBB3, ERBB4, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, ERG, ESR1, ETNK1, ETV1, ETV4, ETV6, EWSR1, EZH1, EZH2, FANCA, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FAS, FAT1, FBXW7, FGF1, FGF10, FGF12, FGF13, FGF14, FGF19, FGF2, FGF23, FGF3, FGF4, FGF5, FGF6, FGF7, FGF8, FGF9, FGFR1, FGFR2, FGFR3, FGFR4, FH, FLCN, FLT1, FLT3, FLT4, FOXA1, FOXL2, FOXO1, FRS2, FUBP1, GATA1, GATA2, GATA3, GATA4, GATA6, GEN1, GNA11, GNAQ, GNAS, GPC3, GREM1, GSK3B, H3F3A, HDAC1, HDAC2, HIST1H3B, HIST1H3C, HOXB13, HRAS, ID3, IDH1, IDH2, IFNGR1, IGF1, IGF1R, IGF2, IKZF1, IL10, IL3, IL7R, INHA, INSR, IRF2, IRF4, IRS1, IRS2, JAK1, JAK2, JAK3, JUN, KAT6A, KDM5A, KDM5C, KDM6A, KDR, KEAP1, KIF5B, KIT, KLF5, KMT2A, KMT2B, KMT2C, KMT2D, KRAS, LATS1, LATS2, LTK, LUC7L2, MALT1, MAP2K1, MAP2K2, MAP2K4, MAP3K1, MAP3K13, MAP3K14, MAP3K4, MAPK1, MAPK3, MCL1, MDC1, MDM2, MDM4, MECOM, MED12, MEN1, MET, MGMT, MITF, LH1, MLH3, MLLT3, MPL, MRE11, MSH2, MSH3, MSH6, MTAP, MTHFR, MTOR, MUTYH, MYC, MYCN, MYD88, MYH11, MYOD1, NBN, NCOA3, NCOR1, NCOR2, NF1, NF2, NFE2L2, NFKBIA, NOTCH1, NPM1, NRAS, NRG1, NTHL1, NTRK1, NTRK2, NTRK3, NUP214, NUTM1, PALB2, PARP1, PARP2, PARP3, PAX8, PBX1, PDCD1, PDCD1LG2, PDGFRA, PDGFRB, PGR, PHF6, PIK3CA, PIK3CB, PIK3CD, PIK3R1, PML, PMS2, POLD1, POLE, POLQ, PPM1D, PPP2R1A, PRKN, PRMT5, PSMB1, PSMB5, PTCH1, PTEN, PTPN11, RAC1, RAD21, RAD50, RAD51, RAD51B, RAD51C, RAD51D, RAD52, RAD54L, RAF1, RARA, RB1, RBBP6, RBM10, RECQL4, REL, RET, RHOA, RICTOR, RNF43, ROS1, RPS14, RUNX1, RUNX1T1, SDHA, SDHAF2, SDHB, SDHC, SDHD, SETBP1, SF3B1, SH2B3, SHOC2, SLC29A1, SMAD2, SMAD3, SMAD4, SMARCA4, SMARCB1, SMARCD1, SMC1A, SMC3, SMO, SOS1, SOX10, SPOP, SRC, SRSF2, STAG1, STAG2, STAT3, STAT4, STAT5A, STAT5B, STING1, STK11, SUFU, SUZ12, TCF3, TCL1A, TERT, TET2, TFRC, TGFBR1, TGFBR2, TMEM127, TMPRSS2, TOP1, TOP2A, TP53, TP63, TRAF2, TRAF7, TSC1, TSC2, TYMS, U2AF1, VEGFA, VHL, WRN, WT1, XPA, XPC, XPO1, XRCC2, YAP1, ZNF217, ZRSR2, 1p/19q codeletion
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GENETIC ALTERATIONS TESTED

The following table shows the types of genetic alterations and coding exon coverage for each gene.
























































































<b>ABL1</b> Full coding exonic coverage (NM_005157.6)  ▲	<b>ABL2</b> Full coding exonic coverage (NM_007314.4)  Selected non-coding regions covered ▲	<b>AKT1</b> Full coding exonic coverage (NM_001382430.1)  ▲ ●	<b>AKT2</b> Full coding exonic coverage (NM_001626.6)  Selected non-coding regions covered ▲ ●	<b>AKT3</b> Full coding exonic coverage (NM_005465.7)  Selected non-coding regions covered ▲	<b>ALK</b> Full coding exonic coverage (NM_004304.5)  Selected non-coding regions covered ▲ ● ■
<b>ANKRD26</b> Full coding exonic coverage (NM_014915.3)  ▲	<b>APC</b> Full coding exonic coverage (NM_000038.6)  Selected non-coding regions covered ▲	<b>AR</b> Full coding exonic coverage (NM_000044.6)  Selected non-coding regions covered ▲ ●	<b>ARAF</b> Full coding exonic coverage (NM_001654.5)  ▲	<b>ARID1A</b> Full coding exonic coverage (NM_006015.6)  ▲	<b>ARID1B</b> Full coding exonic coverage (NM_001374828.1)  ▲
<b>ARID2</b> Full coding exonic coverage (NM_152641.4)  Selected non-coding regions covered ▲	<b>ARID5B</b> Full coding exonic coverage (NM_032199.3)  Selected non-coding regions covered ▲	<b>ASXL1</b> Exons 1-2, 4-13 (NM_015338.6)  Selected non-coding regions covered ▲	<b>ATM</b> Full coding exonic coverage (NM_000051.4)  Selected non-coding regions covered ▲ ●	<b>ATR</b> Full coding exonic coverage (NM_001184.4)  ▲	<b>ATRIP</b> Full coding exonic coverage (NM_130384.3)  ▲
<b>ATRX</b> Full coding exonic coverage (NM_000489.6)  ▲	<b>AURKA</b> Full coding exonic coverage (NM_198437.3)  Selected non-coding regions covered ▲	<b>AURKB</b> Full coding exonic coverage (NM_004217.4)  ▲	<b>AXIN2</b> Full coding exonic coverage (NM_004655.4)  ▲	<b>B2M</b> Full coding exonic coverage (NM_004048.4)  ▲	<b>BAP1</b> Full coding exonic coverage (NM_004656.4)  ▲

Selected non-coding regions which are covered by the test are indicated above.

<b>BARD1</b> Full coding exonic coverage (NM_000465.4)  Selected non-coding regions covered 	<b>BCL10</b> Full coding exonic coverage (NM_003921.5)  Selected non-coding regions covered 	<b>BCL2</b> Full coding exonic coverage (NM_000633.3)  	<b>BCL2L1</b> Full coding exonic coverage (NM_138578.3)  Selected non-coding regions covered 	<b>BCL2L11</b> Full coding exonic coverage (NM_138621.5)  	<b>BCL2L2</b> Full coding exonic coverage (NM_004050.5)  
<b>BCL6</b> Full coding exonic coverage (NM_001706.5)  	<b>BCOR</b> Full coding exonic coverage (NM_001123385.2)  	<b>BCORL1</b> Exons 2-8, 10-14 (NM_001379451.1)  	<b>BCR</b> Exons 1-16, 19, 21-23 (NM_004327.4)  	<b>BLM</b> Full coding exonic coverage (NM_000057.4)  	<b>BMPR1A</b> Exons 4-5, 7-8, 11 (NM_004329.3)  Selected non-coding regions covered 
<b>BRAF</b> Exons 1-13, 15-16, 18 (NM_004333.6) Exons 1-14, 16-17, 19 (NM_001374258.1)  Selected non-coding regions covered 	<b>BRCA1</b> Full coding exonic coverage (NM_007294.4)  Selected non-coding regions covered 	<b>BRCA2</b> Full coding exonic coverage (NM_000059.4)  Selected non-coding regions covered 	<b>BRD4</b> Full coding exonic coverage (NM_001379291.1)  Selected non-coding regions covered 	<b>BRINP1</b> Full coding exonic coverage (NM_014618.3)  	<b>BRIP1</b> Full coding exonic coverage (NM_032043.3)  Selected non-coding regions covered 
<b>BUB1B</b> Full coding exonic coverage (NM_001211.6)  Selected non-coding regions covered 	<b>CALR</b> Full coding exonic coverage (NM_004343.4)  Selected non-coding regions covered 	<b>CASP8</b> Full coding exonic coverage (NM_001372051.1)  Selected non-coding regions covered 	<b>CBFB</b> Exons 2-6 (NM_022845.3)  	<b>CBL</b> Exons 1-2, 4-16 (NM_005188.4)  	<b>CBLB</b> Full coding exonic coverage (NM_170662.5)  
<b>CBLC</b> Full coding exonic coverage (NM_012116.4)  	<b>CCAR2</b> Full coding exonic coverage (NM_001393997.1)  	<b>CCND1</b> Full coding exonic coverage (NM_053056.3)  	<b>CCND2</b> Full coding exonic coverage (NM_001759.4)  	<b>CCND3</b> Full coding exonic coverage (NM_001760.5)  Selected non-coding regions covered 	<b>CCNE1</b> Full coding exonic coverage (NM_001238.4)  
<b>CD22</b> Full coding exonic coverage (NM_001771.4)  	<b>CD274</b> Full coding exonic coverage (NM_014143.4)  	<b>CD276</b> Full coding exonic coverage (NM_001024736.2)  	<b>CD70</b> Full coding exonic coverage (NM_001252.5)  	<b>CD74</b> Full coding exonic coverage (NM_001025159.3)  Selected non-coding regions covered 	<b>CD79A</b> Full coding exonic coverage (NM_001783.4)  
<b>CD79B</b> Full coding exonic coverage (NM_000626.4)  	<b>CDC25C</b> Full coding exonic coverage (NM_001790.5)  	<b>CDC73</b> Full coding exonic coverage (NM_024529.5)  	<b>CDH1</b> Full coding exonic coverage (NM_004360.5)  Selected non-coding regions covered 	<b>CDK12</b> Full coding exonic coverage (NM_016507.4)  	<b>CDK4</b> Full coding exonic coverage (NM_000075.4)  
<b>CDK6</b> Full coding exonic coverage (NM_001145306.2)  Selected non-coding regions covered 	<b>CDK8</b> Full coding exonic coverage (NM_001260.3)  	<b>CDKN1A</b> Full coding exonic coverage (NM_000389.5)  Selected non-coding regions covered 	<b>CDKN1B</b> Full coding exonic coverage (NM_004064.5)  Selected non-coding regions covered 	<b>CDKN2A</b> Full coding exonic coverage (NM_000077.5) (NM_058195.4)  Selected non-coding regions covered 	<b>CDKN2B</b> Full coding exonic coverage (NM_004936.4)  Selected non-coding regions covered 
<b>CDKN2C</b> Full coding exonic coverage (NM_078626.3)  Selected non-coding regions covered 	<b>CEBPA</b> Full coding exonic coverage (NM_004364.5)  	<b>CGAS</b> Full coding exonic coverage (NM_138441.3)  	<b>CHD2</b> Full coding exonic coverage (NM_001271.4)  	<b>CHD4</b> Full coding exonic coverage (NM_001273.5)  	<b>CHEK1</b> Full coding exonic coverage (NM_001114122.3)  Selected non-coding regions covered 
<b>CHEK2</b> Exons 2-10, 12-13 (NM_007194.4)  Selected non-coding regions covered 	<b>CIC</b> Full coding exonic coverage (NM_001386298.1)  Selected non-coding regions covered 	<b>CREBBP</b> Full coding exonic coverage (NM_004380.3)  	<b>CSF1R</b> Full coding exonic coverage (NM_001288705.3)  	<b>CSF3R</b> Full coding exonic coverage (NM_000760.4)  Selected non-coding regions covered 	<b>CTLA4</b> Full coding exonic coverage (NM_005214.5)  
<b>CTNNB1</b> Exons 3-15 (NM_001904.4)  Selected non-coding regions covered 	<b>CUX1</b> Full coding exonic coverage (NM_181552.4) Exons 1-18, 20-23 (NM_001913.5)  Selected non-coding regions covered 	<b>CXCR4</b> Full coding exonic coverage (NM_003467.3)  	<b>DCK</b> Full coding exonic coverage (NM_000788.3)  	<b>DDR2</b> Full coding exonic coverage (NM_006182.4)  Selected non-coding regions covered 	<b>DDX3X</b> Full coding exonic coverage (NM_001356.5)  Selected non-coding regions covered 

Selected non-coding regions which are covered by the test are indicated above.

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<b>DDX41</b> Full coding exonic coverage (NM_016222.4)  	<b>DEK</b> Full coding exonic coverage (NM_003472.4)  	<b>DHX15</b> Exons 1-4, 6-14 (NM_001358.3)  	<b>DICER1</b> Exons 2-26 (NM_177438.3)  Selected non-coding regions covered 	<b>DNMT1</b> Exons 1-4, 6-41 (NM_001130823.3)  	<b>DNMT3A</b> Full coding exonic coverage (NM_022552.5)  Selected non-coding regions covered 
<b>DNMT3B</b> Full coding exonic coverage (NM_006892.4)  Selected non-coding regions covered 	<b>DPYD</b> Full coding exonic coverage (NM_000110.4)  Selected non-coding regions covered 	<b>DUSP22</b> Full coding exonic coverage (NM_001286555.3)  Selected non-coding regions covered 	<b>E2F3</b> Full coding exonic coverage (NM_001949.5)  Selected non-coding regions covered 	<b>EGFR</b> Exons 1-15, 17-24, 27-28 (NM_005228.5)   	<b>EIF1AX</b> Exons 2, 4-5 (NM_001412.4)  
<b>EP300</b> Full coding exonic coverage (NM_001429.4)  	<b>EPCAM</b> Full coding exonic coverage (NM_002354.3)  Selected non-coding regions covered 	<b>ERBB2</b> Exons 1-15, 19-24 (NM_004448.4)  Selected non-coding regions covered  	<b>ERBB3</b> Full coding exonic coverage (NM_001982.4)   	<b>ERBB4</b> Full coding exonic coverage (NM_005235.3)  	<b>ERCC1</b> Full coding exonic coverage (NM_001983.4)  Selected non-coding regions covered  
<b>ERCC2</b> Full coding exonic coverage (NM_000400.4)  Selected non-coding regions covered  	<b>ERCC3</b> Full coding exonic coverage (NM_000122.2)  	<b>ERCC4</b> Full coding exonic coverage (NM_005236.3)  	<b>ERCC5</b> Full coding exonic coverage (NM_000123.4)  	<b>ERG</b> Full coding exonic coverage (NM_182918.4)  	<b>ESR1</b> Full coding exonic coverage (NM_000125.4)  Selected non-coding regions covered  
<b>ETNK1</b> Full coding exonic coverage (NM_018638.5)  Selected non-coding regions covered 	<b>ETV1</b> Full coding exonic coverage (NM_004956.5)  Selected non-coding regions covered 	<b>ETV4</b> Full coding exonic coverage (NM_001079675.5)  	<b>ETV6</b> Full coding exonic coverage (NM_001987.5)  	<b>EWSR1</b> Exons 1-3, 6-10, 12-17 (NM_005243.4)  Selected non-coding regions covered 	<b>EZH1</b> Full coding exonic coverage (NM_001991.5)  Selected non-coding regions covered 
<b>EZH2</b> Exons 2-4, 6-20 (NM_004456.5)  	<b>FANCA</b> Exons 1-14, 16-43 (NM_000135.4)  	<b>FANCC</b> Full coding exonic coverage (NM_000136.3)  Selected non-coding regions covered 	<b>FANCD2</b> exons 2-13, 15-16, 18-19, 23-44 (NM_001018115.3)  Selected non-coding regions covered 	<b>FANCE</b> Full coding exonic coverage (NM_021922.3)  	<b>FANCF</b> Full coding exonic coverage (NM_022725.4)  
<b>FANCG</b> Full coding exonic coverage (NM_004629.2)  	<b>FANCI</b> Full coding exonic coverage (NM_001113378.2)  	<b>FANCL</b> Full coding exonic coverage (NM_018062.4)   	<b>FAS</b> Full coding exonic coverage (NM_000043.6)  	<b>FAT1</b> Full coding exonic coverage (NM_005245.4)  	<b>FBXW7</b> Full coding exonic coverage (NM_001349798.2)  Selected non-coding regions covered 
<b>FGF1</b> Full coding exonic coverage (NM_000800.5)  Selected non-coding regions covered  	<b>FGF10</b> Full coding exonic coverage (NM_004465.2)  Selected non-coding regions covered  	<b>FGF12</b> Full coding exonic coverage (NM_004113.6)  Selected non-coding regions covered 	<b>FGF13</b> Exons 1, 3-5 (NM_004114.5)  	<b>FGF14</b> Full coding exonic coverage (NM_004115.4)  Selected non-coding regions covered  	<b>FGF19</b> Full coding exonic coverage (NM_005117.3)  
<b>FGF2</b> Full coding exonic coverage (NM_001361665.2)  Selected non-coding regions covered 	<b>FGF23</b> Full coding exonic coverage (NM_020638.3)  Selected non-coding regions covered 	<b>FGF3</b> Full coding exonic coverage (NM_005247.4)  	<b>FGF4</b> Full coding exonic coverage (NM_002007.4)  Selected non-coding regions covered 	<b>FGF5</b> Full coding exonic coverage (NM_004464.4)  Selected non-coding regions covered  	<b>FGF6</b> Full coding exonic coverage (NM_020996.3)  Selected non-coding regions covered  
<b>FGF7</b> Exons 2-3 (NM_002009.4)  Selected non-coding regions covered 	<b>FGF8</b> Full coding exonic coverage (NM_033163.5)  Selected non-coding regions covered  	<b>FGF9</b> Full coding exonic coverage (NM_002010.3)  Selected non-coding regions covered  	<b>FGFR1</b> Exons 2, 5-9, 11-18 (NM_023110.3)  Selected non-coding regions covered   	<b>FGFR2</b> Exons 2-9, 11-17 (NM_000141.5)  Selected non-coding regions covered   	<b>FGFR3</b> Full coding exonic coverage (NM_000142.5)  Selected non-coding regions covered   
<b>FGFR4</b> Full coding exonic coverage (NM_213647.3)   	<b>FH</b> Full coding exonic coverage (NM_000143.4)  	<b>FLCN</b> Full coding exonic coverage (NM_144997.7)  	<b>FLT1</b> Full coding exonic coverage (NM_002019.4)  Selected non-coding regions covered 	<b>FLT3</b> Exons 1-15, 17-24 (NM_004119.3)  	<b>FLT4</b> Exons 2-19, 21-30 (NM_182925.5)  

Selected non-coding regions which are covered by the test are indicated above.








































































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<b>FOXA1</b> Full coding exonic coverage (NM_004496.5)  	<b>FOXL2</b> Full coding exonic coverage (NM_023067.4)  	<b>FOXO1</b> Full coding exonic coverage (NM_002015.4)  	<b>FRS2</b> Full coding exonic coverage (NM_001278356.2)  	<b>FUBP1</b> Exons 1-19 (NM_003902.5)  Selected non-coding regions covered 	<b>GATA1</b> Full coding exonic coverage (NM_002049.4)  
<b>GATA2</b> Full coding exonic coverage (NM_032638.5)  	<b>GATA3</b> Full coding exonic coverage (NM_001002295.2)  	<b>GATA4</b> Full coding exonic coverage (NM_001308093.3)  	<b>GATA6</b> Full coding exonic coverage (NM_005257.6)  	<b>GEN1</b> Exons 2-11, 13-14 (NM_001130009.3)  	<b>GNA11</b> Full coding exonic coverage (NM_002067.5)  
<b>GNAQ</b> Full coding exonic coverage (NM_002072.5)  	<b>GNAS</b> Exons 2-13 (NM_000516.7) (NM_016592.5)  Selected non-coding regions covered 	<b>GPC3</b> Full coding exonic coverage (NM_004484.4)  	<b>GREM1</b> Full coding exonic coverage (NM_013372.7)  Selected non-coding regions covered 	<b>GSK3B</b> Full coding exonic coverage (NM_001146156.2)  Selected non-coding regions covered 	<b>H3F3A</b> Full coding exonic coverage (NM_002107.7)  
<b>HDAC1</b> Full coding exonic coverage (NM_004964.3)  	<b>HDAC2</b> Full coding exonic coverage (NM_001527.4)  	<b>HIST1H3B</b> Full coding exonic coverage (NM_003537.4)  	<b>HIST1H3C</b> Full coding exonic coverage (NM_003531.3)  	<b>HOXB13</b> Full coding exonic coverage (NM_006361.6)  Selected non-coding regions covered 	<b>HRAS</b> Full coding exonic coverage (NM_005343.4) Exons 2-4 (NM_176795.5)  Selected non-coding regions covered 
<b>ID3</b> Full coding exonic coverage (NM_002167.5)  	<b>IDH1</b> Full coding exonic coverage (NM_005896.4)  	<b>IDH2</b> Exons 2-11 (NM_002168.4)  	<b>IFNGR1</b> Full coding exonic coverage (NM_000416.3)  Selected non-coding regions covered 	<b>IGF1</b> Full coding exonic coverage (NM_000618.5)  Selected non-coding regions covered 	<b>IGF1R</b> Full coding exonic coverage (NM_000875.5)  
<b>IGF2</b> Full coding exonic coverage (NM_000612.6)  	<b>IKZF1</b> Full coding exonic coverage (NM_006060.6)  Selected non-coding regions covered 	<b>IL10</b> Full coding exonic coverage (NM_000572.3)  	<b>IL3</b> Full coding exonic coverage (NM_000588.4)  	<b>IL7R</b> Full coding exonic coverage (NM_002185.5)  	<b>INHA</b> Full coding exonic coverage (NM_002191.4)  
<b>INSRR</b> Exons 1-6, 8-22 (NM_014215.3)  	<b>IRF2</b> Full coding exonic coverage (NM_002199.4)  	<b>IRF4</b> Full coding exonic coverage (NM_002460.4)  	<b>IRS1</b> Full coding exonic coverage (NM_005544.3)  Selected non-coding regions covered 	<b>IRS2</b> Full coding exonic coverage (NM_003749.3)  Selected non-coding regions covered 	<b>JAK1</b> Full coding exonic coverage (NM_002227.4)  
<b>JAK2</b> Full coding exonic coverage (NM_004972.4)   	<b>JAK3</b> Full coding exonic coverage (NM_000215.4)  	<b>JUN</b> Full coding exonic coverage (NM_002228.4)  	<b>KAT6A</b> Full coding exonic coverage (NM_006766.5)  	<b>KDM5A</b> Full coding exonic coverage (NM_001042603.3)  	<b>KDM5C</b> Full coding exonic coverage (NM_004187.5)  Selected non-coding regions covered 
<b>KDM6A</b> Exons 1-13, 15-24, 26-30 (NM_001291415.2)  	<b>KDR</b> Full coding exonic coverage (NM_002253.4)  	<b>KEAP1</b> Full coding exonic coverage (NM_203500.2)  	<b>KIF5B</b> Full coding exonic coverage (NM_004521.3)  Selected non-coding regions covered 	<b>KIT</b> Full coding exonic coverage (NM_000222.3)  Selected non-coding regions covered  	<b>KLF5</b> Full coding exonic coverage (NM_001730.5)  Selected non-coding regions covered 
<b>KMT2A</b> Full coding exonic coverage (NM_001197104.2)  	<b>KMT2B</b> Exons 2-37 (NM_014727.3)  	<b>KMT2C</b> Exons 1-6, 8-14, 16-17, 22-23, 25-59 (NM_170606.3)  	<b>KMT2D</b> Full coding exonic coverage (NM_003482.4)  	<b>KRAS</b> Full coding exonic coverage (NM_004985.5)  Selected non-coding regions covered  	<b>LATS1</b> Full coding exonic coverage (NM_004690.4)  Selected non-coding regions covered 
<b>LATS2</b> Full coding exonic coverage (NM_014572.3)  	<b>LTK</b> Full coding exonic coverage (NM_002344.6)  	<b>LUC7L2</b> Full coding exonic coverage (NM_016019.5)  Selected non-coding regions covered 	<b>MALT1</b> Exons 2-17 (NM_006785.4)  	<b>MAP2K1</b> Full coding exonic coverage (NM_002755.4)  	<b>MAP2K2</b> Exons 1-8, 10-11 (NM_030662.4)  

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<b>MAP2K4</b> Full coding exonic coverage (NM_003010.4)  Selected non-coding regions covered ▲	<b>MAP3K1</b> Full coding exonic coverage (NM_005921.2)  ▲	<b>MAP3K13</b> Full coding exonic coverage (NM_004721.5)  ▲	<b>MAP3K14</b> Full coding exonic coverage (NM_003954.5)  ▲	<b>MAP3K4</b> Full coding exonic coverage (NM_005922.4)  ▲	<b>MAPK1</b> Exons 2-8 (NM_002745.5)  ▲
<b>MAPK3</b> Full coding exonic coverage (NM_002746.3)  ▲	<b>MCL1</b> Full coding exonic coverage (NM_021960.5)  ▲	<b>MDC1</b> Full coding exonic coverage (NM_014641.3)  ▲	<b>MDM2</b> Full coding exonic coverage (NM_002392.5)  Selected non-coding regions covered ▲ ●	<b>MDM4</b> Full coding exonic coverage (NM_002393.5)  Selected non-coding regions covered ▲	<b>MECOM</b> Full coding exonic coverage (NM_004991.4)  Selected non-coding regions covered ▲
<b>MED12</b> Full coding exonic coverage (NM_005120.3)  ▲	<b>MEN1</b> Full coding exonic coverage (NM_001370259.2)  ▲	<b>MET</b> Full coding exonic coverage (NM_000245.4)  Selected non-coding regions covered ▲ ●	<b>MGMT</b> Full coding exonic coverage (NM_002412.5)  ▲	<b>MITF</b> Full coding exonic coverage (NM_001354604.2) (NM_000248.4)  Selected non-coding regions covered ▲ ●	<b>MLH1</b> Full coding exonic coverage (NM_000249.4)  Selected non-coding regions covered ▲
<b>MLH3</b> Full coding exonic coverage (NM_001040108.2)  ▲	<b>MLLT3</b> Exons 1-5, 7-11 (NM_004529.4)  ▲	<b>MPL</b> Full coding exonic coverage (NM_005373.3)  ▲	<b>MRE11</b> Full coding exonic coverage (NNM_005591.4)  Selected non-coding regions covered ▲	<b>MSH2</b> Full coding exonic coverage (NM_000251.3)  Selected non-coding regions covered ▲	<b>MSH3</b> Full coding exonic coverage (NM_002439.5)  ▲
<b>MSH6</b> Full coding exonic coverage (NM_000179.3)  Selected non-coding regions covered ▲	<b>MTAP</b> Full coding exonic coverage (NM_002451.4)  ▲ ●	<b>MTHFR</b> Full coding exonic coverage (NM_005957.5)  ▲	<b>MTOR</b> Full coding exonic coverage (NM_004958.4)  ▲	<b>MUTYH</b> Full coding exonic coverage (NM_001048174.2)  ▲	<b>MYC</b> Full coding exonic coverage (NM_002467.6)  Selected non-coding regions covered ▲ ●
<b>MYCN</b> Full coding exonic coverage (NM_005378.6)  Selected non-coding regions covered ▲ ●	<b>MYD88</b> Full coding exonic coverage (NM_002468.5)  ▲	<b>MYH11</b> Full coding exonic coverage (NM_002474.3) (NM_001040113.2)  Selected non-coding regions covered ▲	<b>MYOD1</b> Full coding exonic coverage (NM_002478.5)  ▲	<b>NBN</b> Full coding exonic coverage (NM_002485.5)  Selected non-coding regions covered ▲	<b>NCOA3</b> Full coding exonic coverage (NM_181659.3)  ▲ ●
<b>NCOR1</b> Exons 2-42, 44-46 (NM_006311.4)  Selected non-coding regions covered ▲	<b>NCOR2</b> Full coding exonic coverage (NM_006312.6)  ▲	<b>NF1</b> Exons 1-37, 40, 44-47, 49, 53 (NM_001042492.3)  Selected non-coding regions covered ▲	<b>NF2</b> Full coding exonic coverage (NM_000268.4)  Selected non-coding regions covered ▲	<b>NFE2L2</b> Exons 2-5 (NM_006164.5)  ▲	<b>NFKBIA</b> Full coding exonic coverage (NM_020529.3)  ▲
<b>NOTCH1</b> Exons 2-34 (NM_017617.5)  ▲	<b>NPM1</b> Exons 1-2, 5-7, 11 (NM_002520.7)  Selected non-coding regions covered ▲	<b>NRAS</b> Full coding exonic coverage (NM_002524.5)  ▲ ●	<b>NRG1</b> Full coding exonic coverage (NM_013964.5)  Selected non-coding regions covered ▲ ● ■	<b>NTHL1</b> Full coding exonic coverage (NM_002528.7)  ▲	<b>NTRK1</b> Full coding exonic coverage (NM_002529.4)  Selected non-coding regions covered ▲ ■
<b>NTRK2</b> Full coding exonic coverage (NM_006180.6)  Selected non-coding regions covered ▲ ■	<b>NTRK3</b> Full coding exonic coverage (NM_001012338.3)  Selected non-coding regions covered ▲ ■	<b>NUP214</b> Full coding exonic coverage (NM_005085.4)  ▲	<b>NUTM1</b> Full coding exonic coverage (NM_001284292.2)  Selected non-coding regions covered ▲ ■	<b>PALB2</b> Full coding exonic coverage (NM_024675.4)  Selected non-coding regions covered ▲ ●	<b>PARP1</b> Exons 1-10, 12-23 (NM_001618.4)  ▲
<b>PARP2</b> Full coding exonic coverage (NM_001042618.2)  ▲	<b>PARP3</b> Full coding exonic coverage (NM_001003931.4)  Selected non-coding regions covered ▲	<b>PAX8</b> Exons 7-11 (NM_003466.4)  Selected non-coding regions covered ▲ ■	<b>PBX1</b> Full coding exonic coverage (NM_002585.4)  ▲	<b>PDCD1</b> Full coding exonic coverage (NM_005018.3)  ▲	<b>PDCD1LG2</b> Full coding exonic coverage (NM_025239.4)  ▲
<b>PDGFRA</b> Full coding exonic coverage (NM_006206.6)  Selected non-coding regions covered ▲ ● ■	<b>PDGFRB</b> Full coding exonic coverage (NM_002609.4)  ▲ ●	<b>PGR</b> Full coding exonic coverage (NM_000926.4)  ▲	<b>PHF6</b> Full coding exonic coverage (NM_001015877.2)  ▲	<b>PIK3CA</b> Exons 2-10, 14-21 (NM_006218.4)  Selected non-coding regions covered ▲ ●	<b>PIK3CB</b> Full coding exonic coverage (NM_006219.3)  ▲ ●

Selected non-coding regions which are covered by the test are indicated above.

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■ Rearrangements

<b>PIK3CD</b> Full coding exonic coverage (NM_005026.5)  	<b>PIK3R1</b> Full coding exonic coverage (NM_181523.3)  Selected non-coding regions covered 	<b>PML</b> Full coding exonic coverage (NM_033238.3)  Selected non-coding regions covered 	<b>PMS2</b> Exons 2-4, 6-11, 13 (NM_000535.7)  Selected non-coding regions covered 	<b>POLD1</b> Full coding exonic coverage (NM_002691.4)  	<b>POLE</b> Full coding exonic coverage (NM_006231.4)  Selected non-coding regions covered 
<b>POLQ</b> Full coding exonic coverage (NM_199420.4)  Selected non-coding regions covered 	<b>PPM1D</b> Full coding exonic coverage (NM_003620.4)  	<b>PPP2R1A</b> Full coding exonic coverage (NM_014225.6)  	<b>PRKN</b> Full coding exonic coverage (NM_004562.3)  	<b>PRMT5</b> Full coding exonic coverage (NM_006109.5)  	<b>PSMB1</b> Full coding exonic coverage (NM_002793.4)  
<b>PSMB5</b> Full coding exonic coverage (NM_002797.5)  Selected non-coding regions covered 	<b>PTCH1</b> Full coding exonic coverage (NM_000264.5) (NM_001083603.3)  Selected non-coding regions covered 	<b>PTEN</b> Exons 1-8 (NM_000314.8)  Selected non-coding regions covered  	<b>PTPN11</b> Exons 1-6, 8-9, 11-15 (NNM_002834.5)  	<b>RAC1</b> Full coding exonic coverage (NM_006908.5)  Selected non-coding regions covered 	<b>RAD21</b> Full coding exonic coverage (NM_006265.3)  
<b>RAD50</b> Full coding exonic coverage (NM_005732.4)  	<b>RAD51</b> Full coding exonic coverage (NM_002875.5)  	<b>RAD51B</b> Exons 2-5, 7-11 (NM_133510.4)  Selected non-coding regions covered 	<b>RAD51C</b> Full coding exonic coverage (NM_058216.3)  Selected non-coding regions covered 	<b>RAD51D</b> Full coding exonic coverage (NM_002878.4)  Selected non-coding regions covered 	<b>RAD52</b> Full coding exonic coverage (NM_134424.4)  Selected non-coding regions covered 
<b>RAD54L</b> Full coding exonic coverage (NM_003579.4)  	<b>RAF1</b> Full coding exonic coverage (NM_002880.4)  Selected non-coding regions covered  	<b>RARA</b> Full coding exonic coverage (NM_000964.4)  Selected non-coding regions covered 	<b>RB1</b> Exons 1-13, 16-27 (NM_000321.3)  Selected non-coding regions covered  	<b>RBBP6</b> Full coding exonic coverage (NM_006910.5)  Selected non-coding regions covered 	<b>RBM10</b> Full coding exonic coverage (NM_005676.5)  Selected non-coding regions covered 
<b>RECQL4</b> Exons 2-22 (NM_004260.4)  	<b>REL</b> Full coding exonic coverage (NM_001291746.2)  	<b>RET</b> Full coding exonic coverage (NM_020975.6)  Selected non-coding regions covered   	<b>RHOA</b> Full coding exonic coverage (NM_001664.4)  Selected non-coding regions covered 	<b>RICTOR</b> Full coding exonic coverage (NM_152756.5)  Selected non-coding regions covered  	<b>RNF43</b> Full coding exonic coverage (NM_017763.6)  
<b>ROS1</b> Full coding exonic coverage (NM_001378902.1)  Selected non-coding regions covered  	<b>RPS14</b> Exons 3-5 (NM_005617.4)  	<b>RUNX1</b> Exons 4-9 (NM_001754.5)  Selected non-coding regions covered 	<b>RUNX1T1</b> Full coding exonic coverage (NM_001198679.3)  Selected non-coding regions covered 	<b>SDHA</b> Exons 1-10, 13 (NM_004168.4)  	<b>SDHAF2</b> Full coding exonic coverage (NM_017841.4)  Selected non-coding regions covered 
<b>SDHB</b> Full coding exonic coverage (NM_003000.3)  Selected non-coding regions covered 	<b>SDHC</b> Exons 1-5 (NM_003001.5)  Selected non-coding regions covered 	<b>SDHD</b> Full coding exonic coverage (NM_003002.4)  Selected non-coding regions covered 	<b>SETBP1</b> Full coding exonic coverage (NM_015559.3)  Selected non-coding regions covered 	<b>SF3B1</b> Exons 1-10, 12-21, 23-25 (NM_012433.4)  Selected non-coding regions covered 	<b>SH2B3</b> Full coding exonic coverage (NM_005475.3)  
<b>SHOC2</b> Full coding exonic coverage (NM_007373.4)  Selected non-coding regions covered 	<b>SLC29A1</b> Full coding exonic coverage (NM_001372327.1)  	<b>SMAD2</b> Full coding exonic coverage (NM_005901.6)  	<b>SMAD3</b> Full coding exonic coverage (NM_005902.4)  Selected non-coding regions covered 	<b>SMAD4</b> Full coding exonic coverage (NM_005359.6)  Selected non-coding regions covered  	<b>SMARCA4</b> Exons 2-10, 12-35 Exons 2-10, 12-36 (NM_003072.5) (NM_001387283.1)  Selected non-coding regions covered 
<b>SMARCB1</b> Full coding exonic coverage (NM_003073.5)  Selected non-coding regions covered 	<b>SMARCD1</b> Full coding exonic coverage (NM_003076.5)  	<b>SMC1A</b> Full coding exonic coverage (NM_006306.4)  	<b>SMC3</b> Exons 1-25, 29 (NM_005445.4)  	<b>SMO</b> Full coding exonic coverage (NM_005631.5)  	<b>SOS1</b> Full coding exonic coverage (NM_005633.4)  Selected non-coding regions covered 
<b>SOX10</b> Full coding exonic coverage (NM_006941.4)  	<b>SPOP</b> Full coding exonic coverage (NM_001007228.2)  	<b>SRC</b> Full coding exonic coverage (NM_198291.3)  	<b>SRSF2</b> Full coding exonic coverage (NM_001195427.2)  	<b>STAG1</b> Full coding exonic coverage (NM_005862.3)  	<b>STAG2</b> Full coding exonic coverage (NM_001042750.2)  

Selected non-coding regions which are covered by the test are indicated above.















































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Rearrangements

<b>STAT3</b> Full coding exonic coverage (NM_139276.3) 	<b>STAT4</b> Full coding exonic coverage (NM_003151.4) 	<b>STAT5A</b> Exons 3-6, 9-19 (NM_001288718.2) 	<b>STAT5B</b> Exons 2-6, 9-15, 17-19 (NM_012448.4) 	<b>STING1</b> Full coding exonic coverage (NM_198282.4) 	<b>STK11</b> Full coding exonic coverage (NM_000455.5)  Selected non-coding regions covered 
<b>SUFU</b> Full coding exonic coverage (NM_016169.4)  Selected non-coding regions covered 	<b>SUZ12</b> Exons 1-2, 4, 7-8, 10-16 (NM_015355.4) 	<b>TCF3</b> Full coding exonic coverage (NM_003200.5) (NM_001136139.4)  Selected non-coding regions covered 	<b>TCL1A</b> Full coding exonic coverage (NNM_021966.3) 	<b>TERT</b> Full coding exonic coverage (NM_198253.3)  Selected non-coding regions covered  	<b>TET2</b> Full coding exonic coverage (NM_001127208.3) 
<b>TFRC</b> Full coding exonic coverage (NM_001128148.3)  Selected non-coding regions covered  	<b>TGFBR1</b> Exons 2-9 (NM_004612.4) 	<b>TGFBR2</b> Full coding exonic coverage (NM_003242.6)  Selected non-coding regions covered 	<b>TMEM127</b> Full coding exonic coverage (NM_017849.4)  Selected non-coding regions covered 	<b>TMPRSS2</b> Exons 2-5 (NM_005656.4)  Selected non-coding regions covered  	<b>TOP1</b> Exons 2-21 (NM_003286.4) 
<b>TOP2A</b> Full coding exonic coverage (NM_001067.4) 	<b>TP53</b> Full coding exonic coverage (NM_000546.6)  Selected non-coding regions covered  	<b>TP63</b> Full coding exonic coverage (NM_003722.5) (NM_001114980.2)  Selected non-coding regions covered 	<b>TRAF2</b> Full coding exonic coverage (NM_021138.4) 	<b>TRAF7</b> Full coding exonic coverage (NM_032271.3) 	<b>TSC1</b> Full coding exonic coverage (NM_000368.5) 
<b>TSC2</b> Full coding exonic coverage (NM_000548.5) 	<b>TYMS</b> Full coding exonic coverage (NM_001071.4) 	<b>U2AF1</b> Full coding exonic coverage (NM_006758.3)  Selected non-coding regions covered 	<b>VEGFA</b> Full coding exonic coverage (NM_003376.6) 	<b>VHL</b> Full coding exonic coverage (NM_000551.4) 	<b>WRN</b> Full coding exonic coverage (NM_000553.6) 
<b>WT1</b> Full coding exonic coverage (NM_024426.6) 	<b>XPA</b> Full coding exonic coverage (NM_000380.4) 	<b>XPC</b> Full coding exonic coverage (NM_004628.5)  Selected non-coding regions covered 	<b>XPO1</b> Full coding exonic coverage (NM_003400.4) 	<b>XRCC2</b> Full coding exonic coverage (NM_005431.2) 	<b>YAP1</b> Exons 1-2 (NM_001130145.3)  Selected non-coding regions covered  
<b>ZNF217</b> Full coding exonic coverage (NM_006526.3) 	<b>ZRSR2</b> Exons 1, 3-7, 9-11 (NM_005089.4) 	<b>1p/19q co-deletion</b> 			

Selected non-coding regions which are covered by the test are indicated above.

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