

## ForeSENTIA GENES AND GENETIC ALTERATIONS TESTED

### GENES TESTED

The following table indicates the genes tested.

<p><b>Pan-Cancer Advanced</b> 392 genes</p>	<p>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, CBF, 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, CTNNA1, 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, MYO10, NBN, NCOA3, NCOR1, NCOR2, NF1, NF2, NFE2L2, NFKB1, 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, SPO1, 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</p>
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### GENETIC ALTERATIONS TESTED

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

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

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

▲ Single Nucleotide Variant / Indels      ● Copy Number Alterations      ■ Rearrangements

<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 ▲

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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)  Selected non-coding regions covered ▲ ●	<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_005243.4)  ▲	<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)  ▲

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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)  ▲

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

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<b>MAP2K4</b> Full coding exonic coverage <small>(NM_003010.4)</small>  <i>Selected non-coding regions covered</i> 	<b>MAP3K1</b> Full coding exonic coverage <small>(NM_005921.2)</small>  	<b>MAP3K13</b> Full coding exonic coverage <small>(NM_004721.5)</small>  	<b>MAP3K14</b> Full coding exonic coverage <small>(NM_003954.5)</small>  	<b>MAP3K4</b> Full coding exonic coverage <small>(NM_005922.4)</small>  	<b>MAPK1</b> Exons 2-8 <small>(NM_002745.5)</small>  
<b>MAPK3</b> Full coding exonic coverage <small>(NM_002746.3)</small>  	<b>MCL1</b> Full coding exonic coverage <small>(NM_021960.5)</small>  	<b>MDC1</b> Full coding exonic coverage <small>(NM_014641.3)</small>  	<b>MDM2</b> Full coding exonic coverage <small>(NM_002392.6)</small>  <i>Selected non-coding regions covered</i> 	<b>MDM4</b> Full coding exonic coverage <small>(NM_002393.5)</small>  <i>Selected non-coding regions covered</i> 	<b>MECOM</b> Full coding exonic coverage <small>(NM_004991.4)</small>  <i>Selected non-coding regions covered</i> 
<b>MED12</b> Full coding exonic coverage <small>(NM_005120.3)</small>  	<b>MEN1</b> Full coding exonic coverage <small>(NM_001370259.2)</small>  	<b>MET</b> Full coding exonic coverage <small>(NM_000245.4)</small>  <i>Selected non-coding regions covered</i> 	<b>MGMT</b> Full coding exonic coverage <small>(NM_002412.5)</small>  	<b>MITF</b> Full coding exonic coverage <small>(NM_001354604.2)</small> <small>(NM_00248.4)</small>  <i>Selected non-coding regions covered</i> 	<b>MLH1</b> Full coding exonic coverage <small>(NM_00249.4)</small>  <i>Selected non-coding regions covered</i> 
<b>MLH3</b> Full coding exonic coverage <small>(NM_001040108.2)</small>  	<b>MLLT3</b> Exons 1-5, 7-11 <small>(NM_004529.4)</small>  	<b>MPL</b> Full coding exonic coverage <small>(NM_005373.3)</small>  	<b>MRE11</b> Full coding exonic coverage <small>(NM_005591.4)</small>  <i>Selected non-coding regions covered</i> 	<b>MSH2</b> Full coding exonic coverage <small>(NM_000251.3)</small>  <i>Selected non-coding regions covered</i> 	<b>MSH3</b> Full coding exonic coverage <small>(NM_002439.5)</small>  
<b>MSH6</b> Full coding exonic coverage <small>(NM_000179.3)</small>  <i>Selected non-coding regions covered</i> 	<b>MTAP</b> Full coding exonic coverage <small>(NM_002451.4)</small>  	<b>MTHFR</b> Full coding exonic coverage <small>(NM_005957.5)</small>  	<b>MTOR</b> Full coding exonic coverage <small>(NM_004958.4)</small>  	<b>MUTYH</b> Full coding exonic coverage <small>(NM_001048174.2)</small>  	<b>MYC</b> Full coding exonic coverage <small>(NM_002467.6)</small>  <i>Selected non-coding regions covered</i> 
<b>MYCN</b> Full coding exonic coverage <small>(NM_005378.6)</small>  <i>Selected non-coding regions covered</i> 	<b>MYD88</b> Full coding exonic coverage <small>(NM_002468.5)</small>  	<b>MYH11</b> Full coding exonic coverage <small>(NM_002474.3)</small> <small>(NM_001040113.2)</small>  <i>Selected non-coding regions covered</i> 	<b>MYOD1</b> Full coding exonic coverage <small>(NM_002478.5)</small>  	<b>NBN</b> Full coding exonic coverage <small>(NM_002485.5)</small>  <i>Selected non-coding regions covered</i> 	<b>NCOA3</b> Full coding exonic coverage <small>(NM_181659.3)</small>  
<b>NCOR1</b> Exons 2-42, 44-46 <small>(NM_006311.4)</small>  <i>Selected non-coding regions covered</i> 	<b>NCOR2</b> Full coding exonic coverage <small>(NM_006312.6)</small>  	<b>NF1</b> Exons 1-37, 40, 44-47, 49, 53 <small>(NM_001042492.3)</small>  <i>Selected non-coding regions covered</i> 	<b>NF2</b> Full coding exonic coverage <small>(NM_000268.4)</small>  <i>Selected non-coding regions covered</i> 	<b>NFE2L2</b> Exons 2-5 <small>(NM_006164.5)</small>  	<b>NFKBIA</b> Full coding exonic coverage <small>(NM_020529.3)</small>  
<b>NOTCH1</b> Exons 2-34 <small>(NM_017617.5)</small>  	<b>NPM1</b> Exons 1-2, 5-7, 11 <small>(NM_002520.7)</small>  <i>Selected non-coding regions covered</i> 	<b>NRAS</b> Full coding exonic coverage <small>(NM_002524.5)</small>  	<b>NRG1</b> Full coding exonic coverage <small>(NM_013964.5)</small>  <i>Selected non-coding regions covered</i> 	<b>NTHL1</b> Full coding exonic coverage <small>(NM_002528.7)</small>  	<b>NTRK1</b> Full coding exonic coverage <small>(NM_002529.4)</small>  <i>Selected non-coding regions covered</i> 
<b>NTRK2</b> Full coding exonic coverage <small>(NM_006180.6)</small>  <i>Selected non-coding regions covered</i> 	<b>NTRK3</b> Full coding exonic coverage <small>(NM_001012338.3)</small>  <i>Selected non-coding regions covered</i> 	<b>NUP214</b> Full coding exonic coverage <small>(NM_005085.4)</small>  	<b>NUTM1</b> Full coding exonic coverage <small>(NM_001284292.2)</small>  <i>Selected non-coding regions covered</i> 	<b>PALB2</b> Full coding exonic coverage <small>(NM_024675.4)</small>  <i>Selected non-coding regions covered</i> 	<b>PARP1</b> Exons 1-10, 12-23 <small>(NM_001618.4)</small>  
<b>PARP2</b> Full coding exonic coverage <small>(NM_001042618.2)</small>  	<b>PARP3</b> Full coding exonic coverage <small>(NM_001003931.4)</small>  <i>Selected non-coding regions covered</i> 	<b>PAX8</b> Exons 7-11 <small>(NM_003466.4)</small>  <i>Selected non-coding regions covered</i> 	<b>PBX1</b> Full coding exonic coverage <small>(NM_002585.4)</small>  	<b>PDCD1</b> Full coding exonic coverage <small>(NM_005018.3)</small>  	<b>PDCD1LG2</b> Full coding exonic coverage <small>(NM_025239.4)</small>  
<b>PDGFRA</b> Full coding exonic coverage <small>(NM_006206.6)</small>  <i>Selected non-coding regions covered</i> 	<b>PDGFRB</b> Full coding exonic coverage <small>(NM_002609.4)</small>  	<b>PGR</b> Full coding exonic coverage <small>(NM_000926.4)</small>  	<b>PHF6</b> Full coding exonic coverage <small>(NM_001015877.2)</small>  	<b>PIK3CA</b> Exons 2-10, 14-21 <small>(NM_006218.4)</small>  <i>Selected non-coding regions covered</i> 	<b>PIK3CB</b> Full coding exonic coverage <small>(NM_006219.3)</small>  

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

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<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 (NM_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)  ▲

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<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>  ●			

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