

Refer to [MayoComplete Solid Tumor Panel DNA Panel Excluded DNA Regions](#) for information on genomic regions in targeted genes that have insufficient coverage to reliably detect single nucleotide variants (SNV) or deletion-insertion (DELIN) variants.

Note: All exons for all genes are covered by the RNA panel.

A detailed list of interrogated genomic regions can be provided upon request. Contact the Molecular Technologies Laboratory at 800-533-1710.

DNA Panel

RNA Panel

Gene symbol	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>ABL1</i>	✓	AMP			✓	
<i>ABL2</i>	✓	AMP				
<i>ABRAXASI (FAM175A)</i>	✓		HMZ			
<i>ACVR1</i>	✓					
<i>ACVR1B</i>	✓					
<i>AKT1</i>	✓	AMP				
<i>AKT2</i>	✓	AMP				
<i>AKT3</i>	✓	AMP			✓	
<i>ALK</i>	✓	AMP			✓	
<i>ALOX12B</i>	✓					
<i>ANKRD11</i>	✓		HMZ			
<i>ANKRD26</i>	✓					
<i>APC</i>	✓		HMZ	Biallelic inactivation		
<i>AR</i>	✓	AMP			✓	✓
<i>ARAF</i>	✓					
<i>ARFRP1</i>	✓					
<i>ARID1A</i>	✓		HMZ			
<i>ARID1B</i>	✓		HMZ			
<i>ARID2</i>	✓		HMZ			
<i>ARID5B</i>	✓					
<i>ASXL1</i>	✓		HMZ			
<i>ASXL2</i>	✓					
<i>ATM</i>	✓		HMZ	Biallelic inactivation		
<i>ATR</i>	✓		HMZ			
<i>ATRX</i>	✓		HMZ	Biallelic inactivation		
<i>AURKA</i>	✓	AMP				
<i>AURKB</i>	✓					
<i>AXIN1</i>	✓					
<i>AXIN2</i>	✓		HMZ			
<i>AXL</i>	✓	AMP			✓	

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>B2M</i>	✓		HMZ	Biallelic inactivation		
<i>BAP1</i>	✓		HMZ	Biallelic inactivation		
<i>BARD1</i>	✓		HMZ			
<i>BBC3</i>	✓					
<i>BCL10</i>	✓					
<i>BCL2</i>	✓	AMP			✓	
<i>BCL2L1</i>	✓					
<i>BCL2L11</i>	✓		HMZ			
<i>BCL2L2</i>	✓					
<i>BCL6</i>	✓					
<i>BCOR</i>	✓		HMZ			
<i>BCORL1</i>	✓		HMZ			
<i>BCR</i>	✓					
<i>BIRC3</i>	✓					
<i>BLM</i>	✓		HMZ			
<i>BMPR1A</i>	✓		HMZ			
<i>BRAF</i>	✓	AMP			✓	
<i>BRCA1</i>	✓		HMZ	Biallelic inactivation	✓	
<i>BRCA2</i>	✓		HMZ	Biallelic inactivation	✓	
<i>BRD4</i>	✓	AMP				
<i>BRIP1</i>	✓		HMZ			
<i>BTG1</i>	✓		HMZ			
<i>BTK</i>	✓					
<i>C11orf30</i>	✓					
<i>CALR</i>	✓					
<i>CARD11</i>	✓					
<i>CASP8</i>	✓					
<i>CBFB</i>	✓					
<i>CBL</i>	✓		HMZ			
<i>CCN6 (WISP3)</i>	✓		HMZ			
<i>CCND1</i>	✓	AMP				
<i>CCND2</i>	✓	AMP				
<i>CCND3</i>	✓	AMP				
<i>CCNE1</i>	✓	AMP				
<i>CD274</i>	✓	AMP	HMZ			
<i>CD276</i>	✓					
<i>CD74</i>	✓					

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>CD79A</i>	✓					
<i>CD79B</i>	✓					
<i>CDC73</i>	✓		HMZ			
<i>CDH1</i>	✓		HMZ			
<i>CDK12</i>	✓					
<i>CDK4</i>	✓	AMP			✓	
<i>CDK6</i>	✓	AMP				
<i>CDK8</i>	✓					
<i>CDKN1A</i>	✓		HMZ			
<i>CDKN1B</i>	✓		HMZ			
<i>CDKN2A</i>	✓		HMZ	Biallelic inactivation		
<i>CDKN2B</i>	✓		HMZ	Biallelic inactivation		
<i>CDKN2C</i>	✓		HMZ			
<i>CEBPA</i>	✓		HMZ			
<i>CENPA</i>	✓					
<i>CHD2</i>	✓		HMZ			
<i>CHD4</i>	✓					
<i>CHEK1</i>	✓		HMZ			
<i>CHEK2</i>	✓		HMZ			
<i>CIC</i>	✓		HMZ	Biallelic inactivation		
<i>CREBBP</i>	✓		HMZ			
<i>CRKL</i>	✓	AMP				
<i>CRLF2</i>	✓					
<i>CSF1R</i>	✓	AMP			✓	
<i>CSF3R</i>	✓					
<i>CSNK1A1</i>	✓					
<i>CTCF</i>	✓		HMZ			
<i>CTLA4</i>	✓					
<i>CTNNA1</i>	✓					
<i>CTNNB1</i>	✓	AMP				
<i>CUL3</i>	✓					
<i>CUX1</i>	✓					
<i>CXCR4</i>	✓					
<i>CYLD</i>	✓					
<i>DAXX</i>	✓					
<i>DCUN1D1</i>	✓					
<i>DDR2</i>	✓					

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>DDX41</i>	✓					
<i>DHX15</i>	✓					
<i>DICER1</i>	✓		HMZ	Biallelic inactivation		
<i>DIS3</i>	✓					
<i>DNAJB1</i>	✓					
<i>DNMT1</i>	✓					
<i>DNMT3A</i>	✓		HMZ			
<i>DNMT3B</i>	✓					
<i>DOT1L</i>	✓					
<i>E2F3</i>	✓					
<i>EED</i>	✓					
<i>EGFL7</i>	✓					
<i>EGFR</i>	✓	AMP			✓	✓
<i>EIF1AX</i>	✓					
<i>EIF4A2</i>	✓					
<i>EIF4E</i>	✓					
<i>EML4</i>	✓				✓	
<i>EP300</i>	✓		HMZ			
<i>EPCAM</i>	✓		HMZ			
<i>EPHA3</i>	✓					
<i>EPHA5</i>	✓					
<i>EPHA7</i>	✓					
<i>EPHB1</i>	✓					
<i>ERBB2</i>	✓	AMP			✓	
<i>ERBB3</i>	✓	AMP				
<i>ERBB4</i>	✓	AMP				
<i>ERCC1</i>	✓	AMP	HMZ			
<i>ERCC2</i>	✓	AMP	HMZ			
<i>ERCC3</i>	✓					
<i>ERCC4</i>	✓		HMZ			
<i>ERCC5</i>	✓		HMZ			
<i>ERG</i>	✓	AMP			✓	
<i>ERRFI1</i>	✓		HMZ			
<i>ESR1</i>	✓	AMP			✓	
<i>ETS1</i>	✓				✓	
<i>ETV1</i>	✓				✓	
<i>ETV4</i>	✓				✓	

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>ETV5</i>	✓				✓	
<i>ETV6</i>	✓		HMZ			
<i>EWSR1</i>	✓				✓	
<i>EZH2</i>	✓	AMP				
<i>FAM123B</i>	✓					
<i>FAM46C</i>	✓					
<i>FANCA</i>	✓		HMZ			
<i>FANCC</i>	✓		HMZ			
<i>FANCD2</i>	✓		HMZ			
<i>FANCE</i>	✓					
<i>FANCF</i>	✓		HMZ			
<i>FANCG</i>	✓					
<i>FANCI</i>	✓		HMZ			
<i>FANCL</i>	✓					
<i>FAS</i>	✓					
<i>FAT1</i>	✓		HMZ			
<i>FBXW7</i>	✓		HMZ			
<i>FGF1</i>	✓	AMP				
<i>FGF10</i>	✓	AMP				
<i>FGF14</i>	✓	AMP				
<i>FGF19</i>	✓	AMP				
<i>FGF2</i>	✓	AMP				
<i>FGF23</i>	✓	AMP				
<i>FGF3</i>	✓	AMP				
<i>FGF4</i>	✓	AMP				
<i>FGF5</i>	✓	AMP				
<i>FGF6</i>	✓	AMP				
<i>FGF7</i>	✓	AMP				
<i>FGF8</i>	✓	AMP				
<i>FGF9</i>	✓	AMP				
<i>FGFR1</i>	✓	AMP			✓	
<i>FGFR2</i>	✓	AMP			✓	
<i>FGFR3</i>	✓	AMP			✓	
<i>FGFR4</i>	✓	AMP			✓	
<i>FH</i>	✓					
<i>FLCN</i>	✓		HMZ	Biallelic inactivation		
<i>FLI1</i>	✓				✓	

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>FLT1</i>	✓	AMP			✓	
<i>FLT3</i>	✓	AMP			✓	
<i>FLT4</i>	✓	AMP				
<i>FOXA1</i>	✓	AMP				
<i>FOXL2</i>	✓		HMZ			
<i>FOXO1</i>	✓					
<i>FOXP1</i>	✓		HMZ			
<i>FRS2</i>	✓					
<i>FUBP1</i>	✓		HMZ	Biallelic inactivation		
<i>FYN</i>	✓					
<i>GABRA6</i>	✓					
<i>GATA1</i>	✓					
<i>GATA2</i>	✓					
<i>GATA3</i>	✓		HMZ			
<i>GATA4</i>	✓		HMZ			
<i>GATA6</i>	✓		HMZ			
<i>GEN1</i>	✓					
<i>GID4</i>	✓					
<i>GLI1</i>	✓	AMP				
<i>GNA11</i>	✓					
<i>GNA13</i>	✓					
<i>GNAQ</i>	✓					
<i>GNAS</i>	✓					
<i>GPR124</i>	✓					
<i>GPS2</i>	✓					
<i>GREM1</i>	✓					
<i>GRIN2A</i>	✓					
<i>GRM3</i>	✓					
<i>GSK3B</i>	✓					
<i>H1-2 (HIST1H1C)</i>	✓					
<i>H2BC5 (HIST1H2BD)</i>	✓					
<i>H3-3A</i>	✓					
<i>H3-3B</i>	✓					
<i>H3-3C</i>	✓					
<i>H3-4 (HIST3H3)</i>	✓					
<i>H3C1 (HIST1H3A)</i>	✓					
<i>H3C10 (HIST1H3H)</i>	✓					

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>H3C11 (HIST1H3I)</i>	✓					
<i>H3C12 (HIST1H3J)</i>	✓					
<i>H3C13 (HIST2H3D)</i>	✓					
<i>H3C2 (HIST1H3B)</i>	✓					
<i>H3C3 (HIST1H3C)</i>	✓					
<i>H3C4 (HIST1H3D)</i>	✓					
<i>H3C6 (HIST1H3E)</i>	✓					
<i>H3C7 (HIST1H3F)</i>	✓					
<i>H3G8 (HIST1H3G)</i>	✓					
<i>HGF</i>	✓	AMP				
<i>HNF1A</i>	✓		HMZ			
<i>HNRNPK</i>	✓		HMZ			
<i>HOXB13</i>	✓					
<i>HRAS</i>	✓					
<i>HSD3B1</i>	✓					
<i>HSP90AA1</i>	✓					
<i>ICOSLG</i>	✓					
<i>ID3</i>	✓					
<i>IDH1</i>	✓		HMZ	Biallelic inactivation		
<i>IDH2</i>	✓		HMZ	Biallelic inactivation		
<i>IFNGR1</i>	✓					
<i>IGF1</i>	✓					
<i>IGF1R</i>	✓	AMP				
<i>IGF2</i>	✓					
<i>IKBKE</i>	✓					
<i>IKZF1</i>	✓		HMZ			
<i>IL10</i>	✓					
<i>IL7R</i>	✓					
<i>INHA</i>	✓					
<i>INHBA</i>	✓					
<i>INPP4A</i>	✓					
<i>INPP4B</i>	✓					
<i>INSR</i>	✓					
<i>IRF2</i>	✓					
<i>IRF4</i>	✓					
<i>IRS1</i>	✓					
<i>IRS2</i>	✓					

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
JAK1	✓		HMZ			
JAK2	✓	AMP			✓	
JAK3	✓					
JUN	✓	AMP				
KAT6A	✓		HMZ			
KDM5A	✓					
KDM5C	✓		HMZ			
KDM6A	✓		HMZ			
KDR	✓	AMP			✓	
KEAP1	✓		HMZ			
KEL	✓					
KIF5B	✓				✓	
KIT	✓	AMP			✓	
KLF4	✓					
KLHL6	✓					
KMT2A (MLL)	✓	AMP	HMZ		✓	
KMT2B			HMZ			
KMT2C			HMZ			
KMT2D			HMZ			
KRAS	✓	AMP				
LAMP1	✓	AMP				
LATS1	✓					
LATS2	✓					
LMO1	✓					
LRP1B	✓					
LYN	✓					
LZTR1	✓					
MAGI2	✓					
MALT1	✓		HMZ			
MAP2K1	✓					
MAP2K2	✓					
MAP2K4	✓		HMZ			
MAP3K1	✓					
MAP3K13	✓					
MAP3K14	✓					
MAP3K4	✓					
MAPK1	✓	AMP				

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
MAPK3	✓					
MAX	✓					
MCL1	✓	AMP				
MDC1	✓					
MDM2	✓	AMP				
MDM4	✓	AMP				
MED12	✓					
MEF2B	✓					
MEN1	✓		HMZ			
MET	✓	AMP			✓	✓
MGA	✓					
MITF	✓	AMP				
MLH1	✓		HMZ	Biallelic inactivation		
MLLT3	✓				✓	
MPL	✓					
MRE11A	✓					
MSH2	✓		HMZ	Biallelic inactivation	✓	
MSH3	✓		HMZ			
MSH6	✓		HMZ	Biallelic inactivation		
MST1	✓					
MST1R	✓	AMP				
MTOR	✓					
MUTYH	✓		HMZ			
MYB	✓	AMP				
MYC	✓	AMP			✓	
MYCL	✓	AMP				
MYCN	✓	AMP				
MYD88	✓					
MYOD1	✓					
NAB2	✓					
NBN	✓		HMZ			
NCOA3	✓					
NCOR1	✓					
NEGR1	✓					
NF1	✓		HMZ	Biallelic inactivation		
NF2	✓		HMZ	Biallelic inactivation		
NFE2L2	✓					

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>NFKBIA</i>	✓					
<i>NKX2-1</i>	✓		HMZ			
<i>NKX3-1</i>	✓					
<i>NOTCH1</i>	✓				✓	
<i>NOTCH2</i>	✓				✓	
<i>NOTCH3</i>	✓				✓	
<i>NOTCH4</i>	✓					
<i>NPM1</i>	✓					
<i>NRAS</i>	✓	AMP				
<i>NRG1</i>	✓	AMP			✓	
<i>NSD1</i>	✓		HMZ			
<i>NTRK1</i>	✓	AMP			✓	
<i>NTRK2</i>	✓	AMP			✓	
<i>NTRK3</i>	✓	AMP			✓	
<i>NUP93</i>	✓					
<i>NUTM1</i>	✓					
<i>PAK1</i>	✓					
<i>PAK3</i>	✓					
<i>PAK7</i>	✓					
<i>PALB2</i>	✓		HMZ			
<i>PARK2 (PRKN)</i>	✓		HMZ			
<i>PARP1</i>	✓					
<i>PAX3</i>	✓		HMZ		✓	
<i>PAX5</i>	✓	AMP	HMZ			
<i>PAX7</i>	✓				✓	
<i>PAX8</i>	✓					
<i>PBRM1</i>	✓					
<i>PDCD1</i>	✓					
<i>PDCD1LG2</i>	✓					
<i>PDGFRA</i>	✓	AMP			✓	
<i>PDGFRB</i>	✓	AMP			✓	
<i>PDK1</i>	✓					
<i>PDPK1</i>	✓					
<i>PGR</i>	✓					
<i>PHF6</i>	✓		HMZ			
<i>PHOX2B</i>	✓					
<i>PIK3C2B</i>	✓					

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>PIK3C2G</i>	✓					
<i>PIK3C3</i>	✓					
<i>PIK3CA</i>	✓	AMP			✓	
<i>PIK3CB</i>	✓	AMP				
<i>PIK3CD</i>	✓					
<i>PIK3CG</i>	✓					
<i>PIK3R1</i>	✓	AMP	HMZ			
<i>PIK3R2</i>	✓	AMP				
<i>PIK3R3</i>	✓					
<i>PIM1</i>	✓					
<i>PLCG2</i>	✓					
<i>PLK2</i>	✓					
<i>PMAIP1</i>	✓					
<i>PMS1</i>	✓					
<i>PMS2</i>	✓		HMZ	Biallelic inactivation		
<i>PNRC1</i>	✓					
<i>POLD1</i>	✓					
<i>POLE</i>	✓					
<i>PPARG</i>	✓				✓	
<i>PPM1D</i>	✓					
<i>PPP2R1A</i>	✓					
<i>PPP2R2A</i>	✓					
<i>PPP6C</i>	✓					
<i>PRDM1</i>	✓					
<i>PREX2</i>	✓					
<i>PRKAR1A</i>	✓					
<i>PRKCI</i>	✓					
<i>PRKDC</i>	✓					
<i>PRSS8</i>	✓					
<i>PTCH1</i>	✓		HMZ	Biallelic inactivation		
<i>PTEN</i>	✓		HMZ	Biallelic inactivation		
<i>PTPN11</i>	✓					
<i>PTPRD</i>	✓					
<i>PTPRS</i>	✓					
<i>PTPRT</i>	✓					
<i>QKI</i>	✓					
<i>RAB35</i>	✓					

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>RAC1</i>	✓					
<i>RAD21</i>	✓		HMZ			
<i>RAD50</i>	✓		HMZ			
<i>RAD51</i>	✓					
<i>RAD51B</i>	✓					
<i>RAD51C</i>	✓		HMZ			
<i>RAD51D</i>	✓		HMZ			
<i>RAD52</i>	✓					
<i>RAD54L</i>	✓					
<i>RAF1</i>	✓	AMP			✓	
<i>RANBP2</i>	✓					
<i>RARA</i>	✓					
<i>RASA1</i>	✓		HMZ			
<i>RB1</i>	✓		HMZ	Biallelic inactivation		
<i>RBM10</i>	✓					
<i>RECQL4</i>	✓					
<i>REL</i>	✓					
<i>RET</i>	✓	AMP			✓	
<i>RFWD2</i>	✓					
<i>RHEB</i>	✓					
<i>RHOA</i>	✓					
<i>RICTOR</i>	✓	AMP				
<i>RIT1</i>	✓					
<i>RNF43</i>	✓					
<i>ROS1</i>	✓	AMP			✓	
<i>RPS6KA4</i>	✓					
<i>RPS6KB1</i>	✓	AMP			✓	
<i>RPS6KB2</i>	✓					
<i>RPTOR</i>	✓					
<i>RUNX1</i>	✓		HMZ			
<i>RUNX1T1</i>	✓					
<i>RYBP</i>	✓					
<i>SDHA</i>	✓					
<i>SDHAF2</i>	✓					
<i>SDHB</i>	✓		HMZ			
<i>SDHC</i>	✓		HMZ			
<i>SDHD</i>	✓		HMZ			

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>SETBP1</i>	✓					
<i>SETD2</i>	✓		HMZ			
<i>SF3B1</i>	✓					
<i>SH2B3</i>	✓					
<i>SH2D1A</i>	✓		HMZ			
<i>SHQ1</i>	✓					
<i>SLIT2</i>	✓					
<i>SLX4</i>	✓					
<i>SMAD2</i>	✓		HMZ			
<i>SMAD3</i>	✓					
<i>SMAD4</i>	✓		HMZ			
<i>SMARCA4</i>	✓		HMZ	Biallelic inactivation		
<i>SMARCB1</i>	✓		HMZ	Biallelic inactivation		
<i>SMARCD1</i>	✓					
<i>SMC1A</i>	✓		HMZ			
<i>SMC3</i>	✓					
<i>SMO</i>	✓					
<i>SNCAIP</i>	✓					
<i>SOCS1</i>	✓					
<i>SOX10</i>	✓		HMZ			
<i>SOX17</i>	✓					
<i>SOX2</i>	✓	AMP				
<i>SOX9</i>	✓		HMZ			
<i>SPEN</i>	✓					
<i>SPOP</i>	✓					
<i>SPTA1</i>	✓					
<i>SRC</i>	✓					
<i>SRSF2</i>	✓					
<i>STAG1</i>	✓					
<i>STAG2</i>	✓		HMZ			
<i>STAT3</i>	✓					
<i>STAT4</i>	✓					
<i>STAT5A</i>	✓					
<i>STAT5B</i>	✓					
<i>STK11</i>	✓		HMZ			
<i>STK40</i>	✓					
<i>SUFU</i>	✓		HMZ	Biallelic inactivation		

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>SUZ12</i>	✓					
<i>SYK</i>	✓					
<i>TAF1</i>	✓					
<i>TBX3</i>	✓		HMZ			
<i>TCEB1</i>	✓					
<i>TCF3</i>	✓					
<i>TCF7L2</i>	✓		HMZ			
<i>TERC</i>	✓					
<i>TERT</i>	✓	AMP				
<i>TET1</i>	✓					
<i>TET2</i>	✓		HMZ			
<i>TFE3</i>	✓					
<i>TFRC</i>	✓	AMP				
<i>TGFBR1</i>	✓					
<i>TGFBR2</i>	✓		HMZ			
<i>TMEM127</i>	✓					
<i>TMPRSS2</i>	✓				✓	
<i>TNFAIP3</i>	✓					
<i>TNFRSF14</i>	✓					
<i>TOP1</i>	✓		HMZ			
<i>TOP2A</i>	✓	AMP	HMZ			
<i>TP53</i>	✓		HMZ	Biallelic inactivation		
<i>TP63</i>	✓					
<i>TRAF2</i>	✓					
<i>TRAF7</i>	✓					
<i>TSC1</i>	✓		HMZ	Biallelic inactivation		
<i>TSC2</i>	✓		HMZ	Biallelic inactivation		
<i>TSHR</i>	✓					
<i>U2AF1</i>	✓					
<i>VEGFA</i>	✓					
<i>VHL</i>	✓	AMP	HMZ	Biallelic inactivation		
<i>VTCN1</i>	✓					
<i>WT1</i>	✓		HMZ			
<i>XIAP</i>	✓					
<i>XPO1</i>	✓					
<i>XRCC2</i>	✓					
<i>YAP1</i>	✓					

Genes Interrogated by MayoComplete Solid Tumor Panel (continued)

Gene symbol	DNA Panel				RNA Panel	
	SNV/DELIN (n=515)	Amplification (n=96)	Homozygous deletion (n=133)	Biallelic inactivation (n=31)	Fusions (n=55)	Splice variants (n=3)
<i>YES1</i>	✓	AMP				
<i>ZBTB2</i>	✓					
<i>ZBTB7A</i>	✓					
<i>ZFHX3</i>	✓					
<i>ZNF217</i>	✓					
<i>ZNF703</i>	✓					
<i>ZRSR2</i>	✓					