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Gene	Location	Type	Function	Gene	Location	Type	Function
<i>NF1</i>	Chr17			<i>EGFR</i>	Chr7		
<i>SETBP1</i>	Chr18			<i>MLL2</i>	Chr12		
<i>TP53</i>	Chr17						
Lung Cancer		Patient LC3		Lung Cancer		Patient LC4	
Gene	Location	Type	Function	Gene	Location	Type	Function
<i>CTNNB1</i>	Chr3			<i>KIT</i>	Chr4		
<i>KRAS</i>	Chr12			<i>MEN1</i>	Chr11		
<i>NF2</i>	Chr22			<i>MLL3</i>	Chr7		
<i>TP53</i>	Chr17			<i>TP53</i>	Chr17		
Breast Cancer		Patient BC1		Breast Cancer		Patient BC2	
Gene	Location	Type	Function	Gene	Location	Type	Function
<i>BRCA1</i>	Chr17			<i>CDH1</i>	Chr16		
<i>TP53</i>	Chr17			<i>PIK3CA</i>	Chr3		

Breast Cancer		Patient BC3		Breast Cancer		Patient BC4	
Gene	Location	Type	Function	Gene	Location	Type	Function
ARID1B	Chr6	TS	CF	FGFR2	Chr10	O	CS
TP53	Chr17	TS	CS	GATA3	Chr10	TS	CF
Colorectal Cancer		Patient CC1		Colorectal Cancer		Patient CC2	
Gene	Location	Type	Function	Gene	Location	Type	Function
APC	Chr5	TS	CF	KDM6A	ChrX	TS	CF
TP53	Chr17	TS	CS	KRAS	Chr12	O	CS
				PIK3CA	Chr3	O	CS
				SMAD4	Chr18	TS	CS
Colorectal Cancer		Patient CC3		Colorectal Cancer		Patient CC4	
Gene	Location	Type	Function	Gene	Location	Type	Function
APC	Chr5	TS	CF	BRAF	Chr7	O	CS
				CARD11	Chr7	O	CS
				GNAS	Chr20	O	CS
				PIK3CA	Chr3	O	CS
ATM	Chr11	TS	GM	SMAD4	Chr18	TS	CS
				TP53	Chr17	TS	CS

Glioma		Patient G1		Glioma		Patient G2	
Gene	Location	Type	Function	Gene	Location	Type	Function
<i>CIC</i>	Chr19	TS	CS	<i>CBL</i>	Chr11	O	CS
<i>IDH1</i>	Chr2	O	CF	<i>TP53</i>	Chr17	TS	CS
<i>PIK3CA</i>	Chr3	O	CS				
Glioma		Patient G3		Glioma		Patient G4	
Gene	Location	Type	Function	Gene	Location	Type	Function
<i>ALK</i>	Chr2	O	CS	<i>HNF1A</i>	Chr12	TS	CF
<i>ATM</i>	Chr11	TS	GM	<i>PTEN</i>	Chr10	TS	CS
<i>BRCA1</i>	Chr17	TS	GM				
<i>TP53</i>	Chr17	TS	CS				
Melanoma		Patient M1		Melanoma		Patient M2	
Gene	Location	Type	Function	Gene	Location	Type	Function
<i>BRAF</i>	Chr7	O	CS	<i>FGFR2</i>	Chr10	O	CS
<i>CREBBP</i>	Chr16	TS	CF	<i>MLL3</i>	Chr7	TS	CF
<i>EP300</i>	Chr22	TS	CF CS	<i>NRAS</i>	Chr1	O	CS
				<i>PTCH1</i>	Chr9	TS	CF

Melanoma		Patient M3		Melanoma		Patient M4	
Gene	Location	Type	Function	Gene	Location	Type	Function
<i>BRAF</i>	Chr7			<i>BRAF</i>	Chr7		
<i>APC</i>	Chr5			<i>CDKN2A</i>	Chr9		
<i>BCOR</i>	ChrX			<i>MLL3</i>	Chr7		
<i>JAK3</i>	Chr19			<i>ATM</i>	Chr11		
<i>MLL2</i>	Chr12			<i>PAX5</i>	Chr9		
Hepatic Cancer		Patient HC1		Hepatic Cancer		Patient HC2	
Gene	Location	Type	Function	Gene	Location	Type	Function
<i>ARID1A</i>	Chr1						
<i>ARID2</i>	Chr12			<i>CTNNB1</i>	Chr3		
<i>BRCA1</i>	Chr17						
<i>RB1</i>	Chr13			<i>MED12</i>	ChrX		
<i>TP53</i>	Chr17						
Hepatic Cancer		Patient HC3		Hepatic Cancer		Patient HC4	
Gene	Location	Type	Function	Gene	Location	Type	Function
				<i>ARID2</i>	Chr12		
<i>HNF1A</i>	Chr12			<i>AXIN1</i>	Chr16		
				<i>JAK2</i>	Chr9		
<i>TP53</i>	Chr17			<i>TP53</i>	Chr17		

Pancreatic Cancer		Patient PC1		Pancreatic Cancer		Patient PC2	
Gene	Location	Type	Function	Gene	Location	Type	Function
APC	Chr5			KRAS	Chr12		
GNAS	Chr20		 	TRAF7	Chr16		
KRAS	Chr12			TP53	Chr17		
RNF43	Chr17						
Pancreatic Cancer		Patient PC3		Pancreatic Cancer		Patient PC4	
Gene	Location	Type	Function	Gene	Location	Type	Function
CDKN2A	Chr9			KRAS	Chr12		
KRAS	Chr12			SMAD4	Chr18		
MPL	Chr1			TP53	Chr17		
TP53	Chr17						
Leukemia		Patient L1		Leukemia		Patient L2	
Gene	Location	Type	Function	Gene	Location	Type	Function
MYD88	Chr3			BCOR	ChrX		
SETD2	Chr3			NOTCH1	Chr9		

Leukemia		Patient L3		Leukemia		Patient L4	
<i>Gene</i>	<i>Location</i>	<i>Type</i>	<i>Function</i>	<i>Gene</i>	<i>Location</i>	<i>Type</i>	<i>Function</i>
<i>BRAF</i>	Chr7			<i>NOTCH1</i>	Chr9		
<i>FAM123B</i>	ChrX			<i>PIK3CA</i>	Chr3		
<i>KRAS</i>	Chr12			<i>TP53</i>	Chr17		

Legend

Gene Classification

Oncogene



Tumor Suppressor Gene



Function

Cell Fate



Cell Survival



Genome Maintenance

