

		DPN1	PN13	DPN2	DPN7	DPN15	DPN16	DPN17	DPN6	DPN9	DPN14	DPN20	DPN12	DPN3	DPN8	DPN18	DPN19	DPN21	DPN4	DPN5	DPN11	DPN10
<b>β-CATENIN PATHWAY</b>	CTNNB1																					
	APC																					
<b>MAPK PATHWAY</b>	BRAF																					
	HRAS																					
	NRAS																					
	MAP2K1																					
	MAP2K2																					
<b>OTHER DRIVER GENES</b>	GNAQ																					
	IDH1																					
<b>OTHER GENES</b>	KMT2C																					
	PDE4DIP																					
	IGF2																					
	LRP1B																					
	PER1																					
	CDH1																					
	DST																					
	KDR																					
	PTCH1																					
	ADAMTS20																					
	ASXL1																					
	ATM																					
	AXL																					
	CBL																					
	CDK4																					
	CSF1R																					
	CSMD3																					
	ERBB2																					
	ERBB4																					
	FGFR3																					
	GUCYA2																					
	HSP90AA1																					
	KIT																					
	MLH1																					
	MTOR																					
	MYB																					
	NSD1																					
	NUP98																					
	PAK3																					
	PRDM1																					
	RALGDS																					
	RNF213																					
	SMO																					
	SUFU																					
	SYNE1																					
	TAF1L																					

S1. Oncoplot of gene mutation distribution; each column represents a sample and each row a different gene.

		DPN1	DPN2	DPN3	DPN4	DPN5	DPN6	DPN7	DPN8	DPN9	DPN10	DPN11	DPN12	DPN13	DPN14	DPN15	DPN16	DPN17	DPN18	DPN19	DPN20	DPN21
β-CATENIN PATHWAY	CTNNB1	S45F	S33F	S33F	S37F	G34E	G34V	S37F	S37F	S45F		S33F	S37F	S37F	S37F	D32H	S37F	S37C	S37F	G34K	H36F	S33F
	APC	L1129V	L1129V S331L R554* S2129L					L1129V						S940L L1129V		R805*	R283* E893K	E893K				
MAPK PATHWAY	BRAF	V600E					V600K V600M			V600E	V600E			V600E	R389C						V600K	
	NRAS																	Q61R				
	HRAS							G13R					G13S			Q61K						
	MAP2K1			I103_K104 del					I103_K104 del										I103_K104 del	I103_K104 del	P124S	
	MAP2K2																					C125S N126D
	GNAQ										T85M											
	IDH1					R132C	c.S20>2T>C R132C		V178I						V178I		V178I	S278L V178I				R132C
OTHER GENES	KMT2C	Y816*	Y816* D348N	Y816*	Y816*	Y816* D348N	Y816* D348N	Y816*	Y816*	Y816* D348N	Y816*	Y816* D348N	Y816*	Y816*	Y816* D348N	Y816* D348N	Y816* D348N	Y816* D348N	Y816*	Y816*	Y816* D348N	Y816* D348N
	PDE4DIP	R622* W560*	R295H			W560* R295H		W560* R295H	W560* R295H	W560* R295H		W560*			R295H	R295H	W560* R295H	W560* R295H		W560* R295H	W560*	R25L S275L R295H E410V S536T W560* R681H A1066T K1266E A1742S R1867C
	IGF2	G226R G226fs				G226R G226fs	G226R G226fs	G226R G226fs	G226R G226fs					G226R G226fs								
	LRP1B						A3308V								E668K					R790Q		
	PER1								P766L P766fs													
	CDH1			A592T			A592T															
	DST								K3942_L3 943 delinsIV K3942fs									K3942_L3 943 delinsIV K3942fs				
	KDR																		G539R	S264F G38E		
	PTCH1																N1392K R1394fs					
	ADAMTS20					V1166I																
	ASXL1																					G704R
	ATM															S1691R						
	AXL																				G765E	
	CBL				E862K																	
	CDK4		C135*																			
	CSF1R																E705K					
	CSMD3										P2128S P2128fs											
	ERBB2						G1015E															
	ERBB4				P747L																	
	FGFR3																					
	GUCYA2																					
	HSP90AA1		T274I																			
	KIT							E490V														
	MLH1	R325Q																				
	MTOR										R2505*											
	MYB										A278T V1620I											
	NSD1																					
	NUP98										I580V											
	PAK3						R455Q															
	PRDM1		P441L																			
	RALGDS															L242I						
	RNF213																					
	SMO										P698R											
	SUFU			R362H																		
	SYNE1																					
	TAF1L																					

S2. Table representation of specific gene variants in detail; each column represents a sample and each row a different gene.