

S5 Table. Summary of *Notch1* PEST Domain Sequence Mutations

Mutation Class	Location ^a	Alteration	Predicted Protein Change	№ Tumours (if >1)
Deletion	+6951	del 'G'	Frameshift	
	+7002-7027	del 26 bp	Frameshift	
	+7053	del 11 bp	Frameshift	
	+7080-7081	del 'AC'	Frameshift	
	+7082	GGCTGGCA>TTGCTG G'	Frameshift	
	+7082	del CGG ins GC	Frameshift	
	+7273-7280	del 'AGTCTGC'	Frameshift	
	+7454-7470	del 17 bp	Frameshift	2
	+7455-7462	del 'CCTCACCC'	Frameshift	
	+7469-7470	del 2 bp	Frameshift	
+7466-7566	del 100 bp	Frameshift		
Point-Mutation	+6913	C>T	Nonsense: Q2305*	
	+7144	C>T	Nonsense: Q2382*	
	+7171	C>T	Nonsense: Q2391*	
	+7243	C>T	Nonsense: Q2415*	
	+7429	C>T	Nonsense: Q2477*	
	+7435	C>T	Nonsense: Q2479*	
Insertion	+6847	G5>G6	Frameshift	4
	+6926	ins 'T'	Frameshift	
	+6984	ins 'A'	Frameshift	
	+7020	ins 'T'	Frameshift	
	+7052	C4>C5	Frameshift	
	+7052	'C'>'GGTGT'	Frameshift	
	+7056	ins 'AACC'	Frameshift	
	+7080	ins 'AGAC'	Frameshift	
	+7081	'C'>'GA'	Frameshift	
	+7081	ins 'C'	Frameshift	2
	+7081	ins 'TTTTT'	Frameshift	
	+7081	ins 'CCCC'	Frameshift	
	+7081	'G'>'CC"	Frameshift	2
	+7081	'G'>'CCCCCCTC'	Frameshift	
	+7082	'G'>'CC'	Frameshift	
	+7082	ins 'GAAA'	Frameshift	
	+7082	'G'>'AA'	Frameshift	
	+7082	'G'>'CC'	Frameshift	2
	+7082	'G'>'CCCCC'	Frameshift	
	+7082	ins 'CC'	Frameshift	
	+7082	ins 'CCCC'	Frameshift	
	+7082	'G'>'CCCTCCGC'	Frameshift	
	+7082	'G'>'TT'	Frameshift	
	+7082	ins 'CGCC'	Frameshift	
	+7083	ins 'CCCT'	Frameshift	
	+7084	ins 'G'	Frameshift	
	+7084	ins 'GGGG'	Frameshift	
	+7087	dup 29 bp	Frameshift	
	+7096	dup 43 bp	Frameshift	
	+7183	ins 'AGCGA'	Frameshift	
	+7185	ins 'T'	Frameshift	
	+7193	ins 8 bp	Frameshift	
	+7193	'C'>'TT"	Frameshift	
	+7194	ins 'CGCC'	Frameshift	
	+7194	ins 'CCGC'	Frameshift	
	+7195	ins 'GGGG'	Frameshift	
	+7196	ins 'AAAG'	Frameshift	
	+7211	ins 'CC'	Frameshift	
	+7216	ins 'GAG'	Frameshift	
	+7228	ins 'GGGA'	Frameshift	
	+7259	C2>C4	Frameshift	
	+7259	ins 'C'	Frameshift	
	+7260	ins 'CCCC'	Frameshift	
	+7260	ins 'CCTC'	Frameshift	
	+7274	'GTC'>'AGGGGTT'	Frameshift	
	+7294	ins 'T'	Frameshift	
+7343	'T'>'GC'	Frameshift		
+7377	ins 'C'	Frameshift		
+7406	C4>C5	Frameshift		
+7407	ins 'A'	Frameshift		
+7423	ins 'C'	Frameshift		
+7446	ins 'CACC'	Frameshift		
+7460	C5>C6	Frameshift		
+7463	C4>C5	Frameshift		
+7464	ins 'C'	Frameshift		

^a Location relative to 'A' of translation start 'ATG' codon.