

S8 Table. Annotation of *NOTCH2* somatic mutations in patients with desmoid tumors

Patient ID	Loci	Ref	Alt	Annotated information	CADD score	DANN score
3	Chr1:120630541	G	A	Regulatory feature, intergenic	3.44	0.96
5	Chr1:120632626	G	A	Regulatory feature, intergenic	0.79	0.22
6	-	-	-	-	0.0	0.0
8	Chr1:120615888	A	C	Transcript, upstream	7.66	0.70
9	Chr1:120576833	A	T	Transcript, intronic	1.44	0.63
11	Chr1:120569493	C	T	Transcript, intronic	5.07	0.63
13	Chr1:120549020	T	C	Transcript, intronic	5.94	0.83
15	-	-	-	-	0.0	0.0
16	-	-	-	-	0.0	0.0
18	Chr1:120564561	C	T	Transcript, intronic	10.31	0.91
19	Chr1:120539668	T	A	Coding transcript, nonsynonymous	25.50	1.00

– indicates no data. Population-based allele frequencies were less than 5% according to the gnomAD database. CADD, Combined Annotation-Dependent Depletion; DANN, Deleterious Annotation of genetic variants using Neural Networks.