

Supplementary Figure 7. Mutational analysis of Exon 26, 27, and 34 of Notch1 receptor in multiple NSCLC cell lines used in this study.

	Exon size	PCR product	Primers*	Tm
Exon 26	432bp	624bp	Forward: 5'-ggctctgctcagggggtgcagggacg-3' Reverse: 5'-gaggggcagggaggccgtcggggaggg-3'	64°C
Exon 27	149bp	149bp	Forward: 5'-ccatcgtctacctggagattgacaaccg-3' Reverse: 5'-ctctgcacggcctcgatctttagggg-3'	64°C (with 5%DMSO)
Exon 34	1488bp			
34-a		767bp	Forward: 5'-gaggagacaccctgtttctggccgc-3' Reverse: 5'-ctctgcagccgggacagccactcg-3'	64°C
34-b		709bp	Forward: 5'-tggagtacccccatggctac-3' Reverse: 5'-ctcggctctccactcaggaa-3'	64°C (with 5%DMSO)
34-c		377bp	Forward: 5'-ccaccagcctcactggcagac-3' Reverse: 5'-gctgggggtgttgcacagcgag-3'	64°C (with 5%DMSO)
34-d		631bp	Forward: 5'-gctgcacagtagccttgctg-3' Reverse: 5'-gcgcgccgttacttgaag-3'	64°C

* Westhoff et al. ref (19).

	Sequence_GenBank	mRNA	Codon	Amino acid	Cell line	Alleles	dbSNP_Id	Function
Exon 27	gccaccga(C)gtggccgc	5094nt	1698: ga(C)	Asp [D]	H1299	TT	rs10521	synonymous
					H441	CT		synonymous
					H358	CT		synonymous
					H460	TT		synonymous
					HCC827	CT		synonymous
					A549	CC		synonymous
Exon 34	tccagcag(C)ggaggggc	6870nt	2290: ag(C)	Ser [S]	H1299	TT	rs61751488	synonymous
					H441	CT		synonymous
					H358	CT		synonymous
					H460	CC		synonymous
					HCC827	TT		synonymous
					A549	CT		synonymous