

Table SI. Oligonucleotide sequences for validation of detected variants.

Target variants	Oligonucleotide sequence (5'-3')	Amplicon size, base pairs
CDK6 Val62Gly	F: GAAGGTCTCCAGGTGCCTC	174
	R: GAATGCGTGGCGGAGATC	
CDK12 Arg271Lys	F: GGGAGCTTCTTATGGCCAAG	177
	R: CTA CTGTAGGGGCTCGGTG	
HGF Asp330Val	F: TCTACCTCATTTTCCCCAGGG	181
	R: CCAAGGTCAAGGAGAAGGCT	
KDM5A Thr134Ile	F: TCGTAGCCATATGTCTCTCGA	174
	R: TGTCTTGCTGTTCATCTTGGA	
LRP1B Cys138Gly	F: GGTGCTCAAAGATGTCTGCT	172
	R: TGTCAGTATAAATGTACAATGGTCAGA	
MSH2 Met688Ile	F: ACATATATTCGACAAACTGGGGTG	170
	R: GCAGTTTCCAACATTTAGCC	
SNCAIP Glu87Lys	F: CCAGA ACTGTGCCGAAGATG	181
	R: GGGTGGTGTGAGTGGAGAAG	
TP53 splice acceptor of intron 8	F: GGAGAGGAGCTGGTGTGTT	194
	R: GCGCACAGAGGAAGAGAATC	

F, forward primer; R, reverse primer.