

Supplementary Table S1. Primers pair used in molecular analysis

Gene	Accession No.	SNP ID	Mutation	Primer forward	Primer reverse	Size (bp)
BRAF Codon 600	NG_007873.3	rs113488022	T>G/C/A	TTCCTTTACTTACTACACCTCAGA	AGCCTCAATTCTTACCATCCA	158
NRAS Codon 61	NG_007572.1	rs11554290	A>T/G/C	CCCTTACCCTCCACACC	TGTCCTCATGTATTGGTCTCTC	133
TP53 Codon 208 and 220	NG_017013.2	rs1464727668 rs121912666	A>T/G/C A>T/G/C	GGAAATTTGCGTGTGGAGTATT	ACTGACAACCACCCTTAACC	131
TP53 Codon 241	NG_017013.2	rs28934573	C>T/G/A	CTGCTTGCCACAGGTCTC	ATGGGCCTCCGGTTCAT	142
TP53 Codon 277	NG_017013.2	rs763098116	G>T/C/A	TGGGACGGAACAGCTTTG	TCTTGCCTGCTTGCTTACC	145
PTEN Codon 130	NG_007466.2	rs121909229	G>A/C/T	TGACCAATGGCTAAGTGAAGAT	TTGTCTCTGGTCCTTACTTCC	166
PIK3CA Codon 1047	NG_012113.2	rs121913279	A>G/C/T	TGATGCTTGGCTCTGGAATG	CATGCTGTTTAATTGTGTGGAAGA	186
TERT Promoter 228 and 250	NC_000005.10	N/A	C>T C>T	AGCGCTGCCTGAAACTC	CCCTCACCTTCCAGCTC	155