

Supplementary

Table S1 Primers for *BRAF*, *C-KIT*, and *NRAS*

Gene name	Forward primer	Reverse primer	Size (bp)
<i>BRAF</i>			
Exon 15	5'-GCTTGCTCTGATAGGAAAATGAG-3'	5'-GTAAGTCAGCAGCATCTCAGG-3'	237
<i>C-KIT</i>			
Exon 9	5'-TCCTAGAGTAAGCCAGGGCTT-3'	5'-TGGTAGACAGAGCCTAAACATCC-3'	261
Exon 11	5'-CCAGAGTGCTCTAATGACTG-3'	5'-TGACATGGAAAGCCCCTGTT-3'	225
Exon 13	5'-GCTTGACATCAGTTTGCCAG-3'	5'-AAAGGCAGCTTGGACACGGCTTTA-3'	193
Exon 17	5'-TACAAGTTAAAATGAATTTAAATGGT-3'	5'-AAGTTGAAACTAAAAATCCTTTGC-3'	228
<i>NRAS</i>			
Exon 2	5'-CAGGTTCTTGCTGGTGTGAA-3'	5'-CACTGGGCCTCACCTCTATG-3'	144
Exon 3	5'-CCCCAGGATTCTTACAGAAAA-3'	5'-CCCCATAAGATTGAGAACACA-3'	244
Exon 4	5'-AGGGAGCAGATTAAGCGAGT-3'	5'-CAAACCTTGCACAAATGCTG-3'	198

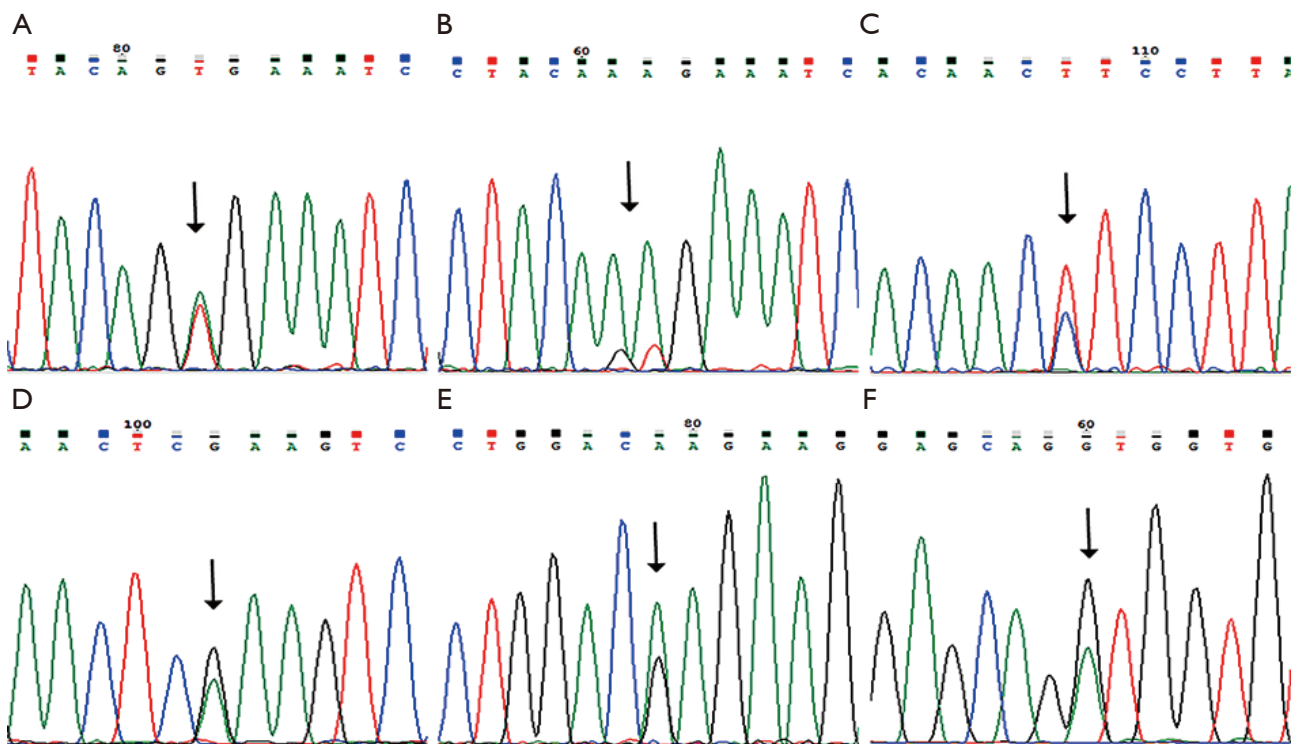


Figure S1 Representative figures of BRAF V600E (A), BRAF V600K (B), C-KIT L576P (C), C-KIT K642E (D), NRAS Q61R (E), and NRAS G12D (F).