

Table S1. Sequencing primers and PCR reaction program

	Primers (F: forward; R: reverse)	PCR reaction program
<i>BRAF</i> (codon 600, 601)	F: TGCTTGCTCTGATAGGAAAATGAGAT R: CCATCCACAAAATGGATCCAGAC	95 °C for 2 min; 11 cycles of 94 °C for 20 s, 63.5 °C for 40 s, 72 °C for 1 min; 24 cycles
<i>HRAS</i> (codon 61)	F: GGCATGAGAGGTACCAGGGAGAG R: AAGACTTGGTGTTGTTGATGGCAAAC	of 94 °C for 20 s, 58 °C for 30 s, 72 °C for 1min; 72 °C for 2 min; 4 °C for store.
<i>HRAS</i> (codon 2, 3)	F: CCCCTGAGGAGCGATGACGGAATA R: CAGCCAGCCCTATCCTGGCTGTGT	95 °C for 2 min; 35 cycles of 96 °C for 10 s, 68 °C for 1 min; 4 °C for store.