

## Supplementary Data

SUPPLEMENTARY TABLE S1. NUCLEOTIDE SEQUENCES OF PRIMERS USED FOR DIRECT SEQUENCING

<i>Target</i>	<i>Primers</i>	<i>Length (mer)</i>	<i>Amplicon (bp)</i>	<i>Nucleotide sequence</i>	<i>Temperature</i>
<i>NRAS</i> codon 61	fw	20	149	GTGAAACCTGTTTGTGGAC	56°C
	rv	20		CCTGTAGAGGTTAATATCCG	
<i>NRAS</i> codon 12/13	fw	21	176	CTTGCTGGTGTGAAATGACTG	53~57°C
	rv	20		TCCGACAAGTGAGAGACAGG	
<i>HRAS</i> codon 61	fw	19	154	GGAGACGTGCCTGTTGGAC	56°C
	rv	20		GGTTCACCTGTACTGGTGGGA	
<i>HRAS</i> codon 12/13	fw	19	129	CTGAGGAGCGATGACGGAA	55~58°C
	rv	20		AGGCTCACCTCTATAGTGGG	
<i>KRAS</i> codon 61	fw	21	135	GTTTCTCCCTTCTCAGGATTC	56°C
	rv	18		CCCTCCCCAGTCCTCATG	
<i>KRAS</i> codon 12/13	fw	21	165	AAGGCCTGCTGAAAATGACTG	60~65°C
	rv	22		GGTCCTGCACCAGTAATATGCA	

fw, forward primer; rv, reverse primer; bp, base pairs.