

Supplemental Table S1. Primer sequences

Gene	Codon	Primer sequence	Annealing Temperature (°C)	Amplicon size (bp)
<i>BRAF</i>	600	5'-ACATACTTATTGACTCTAAGAGGAAAGATGAA-3' 5'-GATTTTTGTGAATACTGGGAACTATGA-3'	60	400
<i>H-RAS</i>	12/13	5'-AGCAGGGCCCTCCTTGGCAG-3' 5'-CAGCCAGCCCTATCCTGGCTG-3'	65	261
	61	5'-CAGGGAGAGGCTGGCTGTGTG-3' 5'-CCACCTGTGCGGCGTGGGCT-3'	65	298
<i>K-RAS</i>	12/13	5'-GGTACTGGTGGAGTATTTGATAGT-3' 5'-CTCATGAAAATGGTCAGAGAAACCT-3'	60	290
	61	5'-GGTGCACTGTAATAATCCAGACTG-3' 5'-CTATAATTACTCCTTAATGTCAGCTT-3'	60	268
<i>N-RAS</i>	12/13	5'-CACACTAGGGTTTTTCATTTCCATTG-3' 5'-GGTAAAGATGATCCGACAAGTGAG-3'	63	283
	61	5'-TTGAACTTCCCTCCCTCCCTGC-3' 5'-AGCTCTATCTTCCCTAGTGTGGTAA-3'	65	316
<i>RET/PTC1</i>		5'-GCCTGGAGGACCTCACCAA-3' 5'-CTCTGCCTTTCAGATGGAA-3'	56	255
<i>RET/PTC3</i>		5'-ACCTGCCAGTGGTTATCAAGC-3' 5'-TTCGCCTTCTCCTAGAGTTTTTCC-3'	59	150