

SUPPLEMENTARY TABLE

Supplementary Table S1: *BRAF*, *KRAS*, *NRAS*, *EGFR* and *PIK3CA* primer sequences and PCR reaction conditions.

GENE	PRIMER SEQUENCE	PCR PROGRAM
KRAS EXON 2	FOR – GGTGGAGTATTTGATAGTGTATTAACC REV – TCATGAAAATGGTCAGAGAAAACC	96°C 2 min 45 cycles 96°C 30 sec 58°C 30 sec 72°C 30 sec
KRAS EXON 3	FOR – TGCACTGTAATAATCCAGACTGTG REV – TGCATGGCATTAGCAAAGAC	72°C 7 min
KRAS EXON 4	FOR – GATATTTGTGTTACTAATGACTGTGCT REV – CCTCTCAAGAGACAAAAACATTTAC	
NRAS EXON 2	FOR – AGAACCAAATGGAAGGTCACA REV – CCGACAAGTGAGAGAGACAGGA	96°C 2 min 45 cycles 96°C 30 sec 58°C 30 sec 72°C 30 sec
NRAS EXON 3	FOR – TAGCATTGCATTCCCTGTGG REV – CAGAGAAAATAATGCTCCTAGTACCTG	72°C 7 min
NRAS EXON 4	FOR – GCGAGTAAAAGACTCGGATGA REV – TGAATATGGATCACATCTCTACCA	
BRAF EXON 15	FOR – TGCTTGCTCTGATAGGAAAATG REV – TGATTTTTGTGAATACTGGGAAC	96°C 2 min 45 cycles 96°C 30 sec 58°C 30 sec 72°C 30 sec 72°C 7 min
EGFR EXON 18	FOR – AGGGCTGAGGTGACCCTTGT REV – TCCCCACCAGACCATGAGAG	96°C 2 min 10 cycles 96°C 30 sec 65°C–55°C* 30 sec 72°C 30 sec
EGFR EXON 20	FOR – ATCGCATTCATGCGTCTTCA REV – ATCCCCATGGCAAACCTTTG	35 cycles 96°C 30 sec 58°C 30 sec 72°C 30 sec
EGFR EXON 21	FOR – GCTCAGAGCCTGGCATGAA REV – CATCCTCCCCTGCATGTGT	72°C 7 min
PIK3CA EXON 9	FOR – AAATTTATTGAAAATGTATTTGCTTTTTTC REV – TCCATTTTAGCACTTACCTGTGACTC	96°C 2 min 45 cycles 96°C 30 sec 55°C 30 sec 72°C 30 sec
PIK3CA EXON 20	FOR – ATGCCAGAACTACAATCTTTTGATGAC REV – GCTTTCATTTTCTCAGTTATCTTTTCAGT	72°C 7 min

*Touchdown: –1°C each cycle