Table 5. EGFR, MET and BRAF primer sequences.

**PCR Primers:**

| Designation | Primer Sequence (5'3') | Orientation |
|---|---|---|
| 18F | CAAGTGCCGTGTCCTGGCACCCAAGC | SENSE |
| 19F | GCAATATCAGCCTTAGGTGCGGCTC | SENSE |
| 20F | CCATGAGTACGTATTTTGAAACTC | SENSE |
| 21F | CTAACGTTCGCCAGCCATAAGTCC | SENSE |
| 22F | GAGCAGCCCTGAACTCCGTCAGACTG | SENSE |
| 23F | CAGGACTACAGAAATGTAGGTTTC | SENSE |
| 24F | GACTGGAAGTGTCGCATCACCAATG | SENSE |
| 18R | CCAAACACTCAGTGAAACAAAGAG | ANTISENSE |
| 19R | CATAGAAAGTGAACATTTAGGATGTG | ANTISENSE |
| 20R | CATATCCCCATGGCAAACTCTTGC | ANTISENSE |
| 21R | GCTGCGAGCTCACCCAGAATGTCTGG | ANTISENSE |
| 22R | CTCAGTACAATAGATAGACAGCAATG | ANTISENSE |
| 23R | GTGCCTGCCTTAAGTAATGTGATGAC | ANTISENSE |
| 24R | GGTTTAATAATGCGATCTGGGACAC | ANTISENSE |

**EGFR Sequencing Primers:**

| | | |
|---|---|---|
| 18F.SEQ | GCACCCAAGCCCATGCCGTGGCTGC | SENSE |
| 19F.SEQ | CCTTAGGTGCGGCTCCACAGC | SENSE |
| 20F.SEQ | GAAACTCAAGATCGCATTCATGC | SENSE |
| 21F.SEQ | CGTGGAGAGGCTCAGAGCCTGGCATG | SENSE |
| 18R.SEQ | GAAACAAAGAGTAAAGTAGATGATGG | ANTISENSE |
| 19R.SEQ | CATTTAGGATGTGGAGATGAGC | ANTISENSE |
| 20R.SEQ | GCAAACTCTTGCTATCCCAGGAG | ANTISENSE |
| 21R.SEQ | CATCCTCCCCTGCATGTGTTAAAC | ANTISENSE |
| For exons 22,23,24 sequencing primers are identical to PCR primers | | |

**MET Sequencing Primers:**

| Designation | Primer Sequence (5'-3') | Orientation |
|---|---|---|
| 15F | GCTTTCAAAATTAATACTTAGTCTAC | SENSE |
| 16F | GTACTCTTTTGCTGTATAGAAAG | SENSE |
| 17F | CAAGATGCTAACTGTGTGGTTTACC | SENSE |
| 18F | GACCAAACTAATTTTTGAGACAAG | SENSE |
| 19F | CTTCCTTCAGAAGTTATGGATTTC | SENSE |
| 20F | CAGAAACCGTATTGAGTATGTAAAGC | SENSE |
| 21F | GAAGACTCCTACAACCCGAATACTG | SENSE |
| 15R | CTTGTTATCACTGCTCTGTCAGTTG | ANTISENSE |
| 16R | CCACAAGGGGAAAGTGTAAATCAAC | ANTISENSE |
| 17R | GAGGTGCATTTGAATGATGCTAAC | ANTISENSE |
| 18R | CACATCGATTTAAGATTGTAACAG | ANTISENSE |
| 19R | GAAGAAAACTGGAATTGGTGGTGTTG | ANTISENSE |
| 20R | GCATTTTAGCATTACTTCATATCTG | ANTISENSE |
| 21R | CAAGTCCTATAATAGTGCAATTTTG | ANTISENSE |

**BRAF Sequencing Primers:**

BRAF exon 11 was amplified and sequenced using J-hBRAFe11F 5'AGGTAATGTAC TTAGGGTGAA3') and J-hBRAFe11R (5'TGTTAGAAACTTTTGGAGGAG).

Annealing temperature was 61.5 °C with 35 cycles.
Primers for BRAF exon 15 were 5'TCATAATGCTTGCTCTGATAGGA3' and 5'GGCCAA AAATTTAATCAGTGGA3'. Annealing temperature was 53 °C with 35 cycles.