Primer Pair 1:

Forward 5’-3’: GCTGAAAATGACTGAGTATAAACTAGTAGTC

Reverse 5’-3’: GATATCTTTTTCAAAGCGGC

GCTGAAAATGACTGAGTATAAACTAGTAGTCGTTGGAGCTNNTGGCGTNGGNAARAGYGCNTTRACNATYCARCTNATTCAGAATCACTTTGTGGATGAGTATGACCCTACGATAGAGGTAACGCTGCTCTACAGTCTGCGTGCGCTCGTGAAAGACGGCAGCCAGCCGCTTTGAAAAAGATATC

RAS mutation

Unique barcode

Primer Pair 2:

Forward 5’-3’: CCAGACTGTGTTTCTCCCTTCT

Reverse 5’-3’: ACACAAAGAAAGCCTTCGCC

Primer Pair 3:

Forward 5’-3’: GTTTTTGCTGGTGTGAAATG

Reverse 5’-3’: GAGAAAGCTCAGAGCGAGGA

Primer Pair 4:

Forward 5’-3’: ACCACCACCTCCTCACTCTTTC

Reverse 5’-3’: CTTCGCCTGTCCTCATGTACT

Primer Pair 5:

Forward 5’-3’: AGCCGCTGTAGAAGCTATGAC

Reverse 5’-3’: ATTTACCCATGACCACTGCCA

Primer Pair 6:

Forward 5’-3’: AAGCCGTGTTGTTTTGCAGG

Reverse 5’-3’: GGACTTGGTGTTGTTGATGGC