Ras WT/mutation codon highlighted in green

Reference sequences to detect the following mutations in samples named: LUNGC, LUNG1, LUNG2, LUNG3, LUNG4, MEF2, MEF3.

(sequencing company still need to apply other primer pairs so Ref3-12 will not be present in the unique seq files)

Ref1 KRASG12D GACTGAGTATAAACTAGTAGTCGTTGGAGCTGAT

Ref2 KRASG12WT GACTGAGTATAAACTAGTAGTCGTTGGAGCTGGT

Ref3 KRASQ61L CTAGAGGAGTACAGTGCAATGAGGGACCAGTACATGAGAACAGGCGAAG

Ref4 KRASQ61WT CAAGAGGAGTACAGTGCAATGAGGGACCAGTACATGAGAACAGGCGAAG

Ref5 HRASG12D GACAGAATACAAGCTCGTCGTAGTGGGCGCTGAT

Ref6 HRASG12WT GACAGAATACAAGCTCGTCGTAGTGGGCGCTGGA

Ref7 HRASQ61L CTAGAAGAGTATAGTGCCATGCGGGACCAGTACATGCGAACTGGCG

Ref8 HRASQ61WT CAAGAAGAGTATAGTGCCATGCGGGACCAGTACATGCGAACTGGCG

Ref9 NRASG12D GATGGTGTTGGGAAAAGCGCATTAACTATCCAGCTAATCCAG

Ref10 NRASG12WT GGTGGTGTTGGGAAAAGCGCATTAACTATCCAGCTAATCCAG

Ref11 NRASQ61L GCTGGGCTAGAAG

Ref12 NRASQ61WT GCTGGGCAAGAAG

Reference sequences to detect the following mutations in samples named: 1-NO2, 2-WT2, 3-D2, 4-N1-2, 5-N2-2, 6-NO7, 7-WT7, 8-D7, 9-N1-7, 10-N2-7, 11-POOL

RefA KRASG12WT - GACTGAGTATAAACTAGTAGTCGTTGGAGCTGGT

RefB KRASG12A - GACTGAGTATAAACTAGTAGTCGTTGGAGCTGCT

RefC KRASG12C - GACTGAGTATAAACTAGTAGTCGTTGGAGCTTGT

RefD KRASG12D - GACTGAGTATAAACTAGTAGTCGTTGGAGCTGAT

RefE KRASG12V – GACTGAGTATAAACTAGTAGTCGTTGGAGCTGTT

RefF KRASG12R - GACTGAGTATAAACTAGTAGTCGTTGGAGCTCGT

RefG KRASG12S - GACTGAGTATAAACTAGTAGTCGTTGGAGCTAGT