

Table S1. List of spiking primers for pan-positive control assay.

Spi_AKT1_49G>A	CTGTAGGGAAGTACATCAAGACCTGGCGGCAAAAA
Spi_BRAF_1397G>T	CCAAATGATACAGATCCAATTCTTTGTCCCAAAAA
Spi_BRAF_1789C>G	TAGCTACACCAAAATCACCTATTTTTACTGAAAAA
Spi_BRAF_1799T>A	CGAGATTTCTCTGTAGCTAGACCAAAATCAAAAAA
Spi_BRAF_1406G>C	GACTGTTGCAAATGATCCAGATCCAATTCTAAAAA
Spi_EGFR_2155G>T	GCACCGGAGCACAGCACTTTGATCTTTTTGAAAAA
Spi_EGFR_2155G>A	GCACCGGAGCTCAGCACTTTGATCTTTTTGAAAAA
Spi_EGFR_2156G>C	GCACCGGAGGCCAGCACTTTGATCTTTTTGAAAAA
Spi_EGFR_2369C>T	AGCTCATCATGCAGCTCATGCCCTTCGGCTAAAAA
Spi_EGFR_2573T>G	AGTTTGGCCCGCCAAAAATCTGTGATCTTGACAAA
Spi_EGFR_2582T>A	TGGCCAAACAGCTGGGTGCGGAAGAGAAAGAAAAA
Spi_KRAS_181C>A	ACTCCTCTTACCTGCTGTGTGCGAGAATATAAAAAA
Spi_KRAS_182A>G	TACTCCTCTCGACCTGCTGTGTGCGAGAATAAAAA
Spi_KRAS_182A>T	TACTCCTCTAGACCTGCTGTGTGCGAGAATAAAAA
Spi_KRAS_183A>C	GCAGGTCACGAGGAGTACAGTGCAATGAGGAAAAA
Spi_KRAS_183A>T	GCAGGTCATGAGGAGTACAGTGCAATGAGGAAAAA
Spi_KRAS_34G>A	GTTGGAGCTAGTGGCGTAGGCAAGAGTGCCAAAAA
Spi_KRAS_34G>C	GTTGGAGCTCGTGGCGTAGGCAAGAGTGCCAAAAA
Spi_KRAS_34G>T	GTTGGAGCTTGTGGCGTAGGCAAGAGTGCCAAAAA
Spi_KRAS_35G>A	GCCTACGCCATCAGCTCCAAC TACCACAAGTTAAA
Spi_KRAS_35G>C	GCCTACGCCAGCAGCTCCAAC TACCACAAGTTAAA
Spi_KRAS_35G>T	GCCTACGCCAACAGCTCCAAC TACCACAAGTTAAA
Spi_KRAS_37G>A	CCTACGCTACCAGCTCCAAC TACCACAAGTAAAAA
Spi_KRAS_37G>C	CCTACGCGACCAGCTCCAAC TACCACAAGTAAAAA
Spi_KRAS_37G>T	TTGCCTACGCAACCAGCTCCAAC TACCACAAAAAA
Spi_KRAS_38G>c	GCCTACGGCACCAGCTCCAAC TACCACAAGAAAAA
Spi_KRAS_38G>A	TTGCCTACGTACCAGCTCCAAC TACCACAAAAAA
Spi_MEK1_167A>C	TTCTGCTTCGGGGTAAGAAAGGCCTCAAGGAAAAA
Spi_MEK1_171G>T	CAGAATCAGAAGGTGGGAGA ACTGAAGGATGAAAA
Spi_MEK1_199G>A	ATGACAAC TTTGAGAAGATCAGTGAGCTGGAAAAA
Spi_NRAS_181C>A	ACTCTTCTTTTCCAGCTGTATCCAGTATGTAAAAA
Spi_NRAS_182A>G	ACTCTTCTCGTCCAGCTGTATCCAGTATGTAAAAA
Spi_NRAS_182A>T	ACTCTTCTAGTCCAGCTGTATCCAGTATGTAAAAA
Spi_PIK3CA_1624G>A	TCCTCTCTCTAAAATCACTGAGCAGGAGAAAGAAA
Spi_PIK3CA_1633G>A	CTCCTGCTTAGTGATTTTCAGAGAGAGGATCAAAAA
Spi_PIK3CA_1633G>C	CTCCTGCTGAGTGATTTTCAGAGAGAGGATCAAAAA
Spi_PIK3CA_3140A>G	ATGATGCACGTCATGGTGGCTGGACAACAATTTTT
Spi_PTEN_697C>T	GGACCCACATGACGGGAAGACAAGTTCATGTAAAA