

Supplemental Table for:

From somatic variants towards precision oncology: an investigation of reporting practice for NGS-based ctDNA analysis

Jinming Li et al.

Supplemental Table S1. Primers used in preparation of DNA fragments by site-directed mutagenesis

Primers to amplify specific genes		
Mutations	Forward Gene Specific Primer (5' - 3')	Reverse Gene Specific Primer (5' -3')
NM_000546.5 (TP53): c.742C>G (p.Arg248Gly)	TTTGCGTGTGGAGTATTTGGA	ACTTACGACGAGTTTATCAGGAAG
NM_005228.3(EGFR): c.2235_2249del15 (p.Glu746_Ala750del)	CTACCAACTTCTGTCAAGCTCTGTAG	ACTTGCTATGTATTCTGTGGGTTAGAC
NM_005228.3(EGFR): c.2369C>T (p.Thr790Met)	CACAGCACAGAGAGACCACT	GCAACGGCGTATTCTCAGAGAC
NM_005228.3(EGFR): c.2390G>C (p.Cys797Ser)	CACAGCACAGAGAGACCACT	GCAACGGCGTATTCTCAGAGAC
Primers used for site-directed mutagenesis		
Mutations	Forward Mutagenic Primer (5' - 3')	Reverse Mutagenic Primer (5' -3')
NM_000546.5 (TP53): c.742C>G (p.Arg248Gly)	GCATGAAC \square GGAGGCC	GGCCTCC \square GTTTCATGC

NM_005228.3(EGFR):

c.2235_2249del15 (p.Glu746_Ala750del)

CTATCAACAACATCTCCGAAAGCCAACA

GGAGATGTTGTTGATAGCGACGGGAATTTTA

NM_005228.3(EGFR):

c.2369C>T (p.Thr790Met)

TCATCA**T**GCAGCTCATGCCC

AAGGGCATGAGCTGC**A**TGATG

NM_005228.3(EGFR):

c.2390G>C (p.Cys797Ser)

CTTCGGCT**C**CCTCCTGGACTA

AGTCCAGGAGG**G**AGCCGAAG

Substituted bases are bold and framed.

