

Supplementary Table S1. Interrogated alterations by dPCR

Gene	Nucleotide_change	Amino_acid_change	COSMIC_ID	Assay_ID	Assay_name	wild type allele (VIC label)	Mutant allele (FAM label)	Foward Primer	Reverse Primer	MGB Probes (wt/mutant)
PIK3CA	c.1624G>A	E542K	COSV55873227	Hs000000085_rm	PIK3CA_760	G	A	NA	NA	NA
PIK3CA	c.1633G>A	E545K	COSV55873239	Hs000000086_rm	PIK3CA_763	G	A	NA	NA	NA
PIK3CA	c.3140A>G	H1047R	COSV55873195	Hs000000088_rm	PIK3CA_775	A	G	NA	NA	NA
ESR1	c.1610A>C	Y537S	COSV52783938	AH1SEW5_custom	NA	A	C	5'-CTGTACAGCATGAAGTGAAGAAC-3'	5'-GGCTAGTGGGCGCATGTAG-3'	5'-TGCCCCCTCTA TGACCTGC-3' / 5'-TGCCCCCTCTC TGACCTGC-3'
ESR1	c.1613A>G	D538G	COSV52781024	AH519FT_custom	NA	A	G	5'-CTGTACAGCATGAAGTGAAGAAC-3'	5'-GGCTAGTGGGCGCATGTAG-3'	5'-CCCTCTATGA CCTGCTGC-3' / 5'-CCCTCTATG CCTGCTGC-3