

Table ESM 4

	LNA WT	LNA MUT	Sense Primer	Antisense Primer
BRAF V600E	5'-tcgaGatTtcAc tGtagct-3'	5'- tcgaGatTtcTct Gtagct-3'	5'- GATCCAGACAACTGT TCA-3'	5'- ACACCTCAGATATAT TTCTTCA-3'
NRAS Q61K	5'- tacTctTgtTgt Ccagct-3'	5'- tacTctTctTatCc agctg-3'	5'- GCCTGTCCTCATGTA TTG-3'	5'- AGTGGTTATAGATG GTGAAAC-3'
NRAS Q61R	5'- tacTctTgtTgt Ccagct-3'	5'- ctctTctCgtCca Gctg-3'	5'- GCCTGTCCTCATGTA TTG-3'	5'- AGTGGTTATAGATG GTGAAAC-3'
NRAS Q61L	5'- tacTctTgtTgt Ccagct-3'	5'- tacTctTctAgtCc agct-3	5'- GCCTGTCCTCATGTA TTG-3'	5'- AGTGGTTATAGATG GTGAAAC-3'
BRAF V600K	5'- ctaGctAcaGt gAaatctc-3'	5'- tagCtaCaaAga Aatctcg-3'	5'- CACCTCAGATATATT TCTTCATG-3'	5'- GATCCAGACAACTG TTCAA-3'