

a.

Gene	Forward Primer	Reverse Primer	Exons	Size
IGFBP7	GCGAGCAAGGTCCTTCATA	GGGATTCCGATGACCTCACA	1-2	92bp
CDKN2A (p16)	CCAACGCACCGAATAGTTACG	GCGCTGCCCATCATCATG	1-2	57bp
IL6	AATTCGGTACATCCTCGACGG	TTGGAAGGTTCAGGTTGTTTTCT	2-3	111bp
IL8	AAGGAAAAGTGGGTGCAGAG	ATTGCATCTGGCAACCCTAC	3-4	176bp
CDKN1A (p21)	TGTCCGTCAGAACCCATGC	AAAGTCGAAGTCCATCGCTC	1-2	138bp
CTCF	GAGAAGCCATTCAAGTGTTCCAT	CTCCAGTATGAGAGCGAATGTGA	5-6	85bp
TBP	CACGAACCACGGCACTGATT	TTTTCTTGCTGCCAGTCTGGAC	5-6	88bp

b.

Primer	Primer Sequence
<b><i>KIAA1549-BRAF</i> fusion primers</b>	
KIAA1549 nested 1 exon 12	GAGGGACGCAGGAGATAAGA
KIAA1549 nested 2 exon 14-15	CCAGGAAGAGCTCACGGATA
BRAF nested 1 exon 13-14	AAGTAATCCATGCCCTGTGC
BRAF nested 2 exon 12	TGCTGAGGTGTAGGTGCTGT
<b><i>BRAF V600E</i> - sequencing</b>	
BRAFV600E F exon 15	TGCTTGCTCTGATAGGAAAATG
BRAFV600E R exon 15	CCACAAAATGGATCCAGACA