

Supplementary Table 2: List of primers and probes used for orthogonal validation

Gene	Ensembl ID	Chromosome	Sequence (5' to 3')
Sanger sequencing (primers)			
TERT Promoter	ENSG00000164362	5	CAGCGCTGCCTGAAACTC
<i>BRAF</i> (Pat #7)	ENSG00000157764	12	GGTGATACAAGCTGGAGCCC
<i>CTNNB1</i> (Pat #2 and #5)	ENSG00000168036	3	GATTTGATGGAGTTGGACATGG
<i>JAK1</i>	ENSG00000162434	1	CCAGCCTTGATAACATACCG
<i>PDGFRB</i>	ENSG00000113721	5	GGTCAGGCAGGGGGATGATA
<i>TP53</i> (Pat #3)	ENSG00000141510	17	TGTTCACTTGTGCCCTGACT
<i>TP53</i> (Pat #5)	ENSG00000141510	17	TTACTTTGCACATCTCATGGGG
ddPCR (probes)			
<i>BRAF</i> (Pat #7)	ENSG00000157764	12	TGCCTTTTTTAAAAAAAAAAGC
<i>CTNNB1</i> (Pat #2 and #5)	ENSG00000168036	3	ATGGCCATGGAACCAGACAGAAAAGCGGCTGTTAGTCACTGGCAGCAACAGTCTTACCTGG[A/C]CTCTGGAATCC ATTCTGGTGCCACTACCACAGCTCCTTCTCTGAGTGGTAAAGGCAATCCT
<i>JAK1</i>	ENSG00000162434	1	CCTTAAGATCTCGATTTCCCTTTTTCAGATCAGCTATGTGGTTACCTCCACTCTCAGGCTTC[A/G]GAGATTTAACAGC CACCTGCTCCCCTGTATTGTCCCCTTCGGGGTCATACCTGCAGAGCTC
<i>NTRK3</i>	ENSG00000140538	15	GGCTCTGGGCTGAATGCTCCGAAGTCTGAGTCTTGTGATGGTCTAGACAGAGAGAAAAAG[A/T]GGATCAGCAGA GCTCAAGTGGCAGAGGGATATCTGCTCTGGGCTGAGGCTGGCAGGGGGTG
<i>PDGFRB</i>	ENSG00000113721	5	GACGGAGCTGGTGTCCAGGGGAGATCGGAGGCCATGGAACCCAGGCAAGCGGGCCTGGGAC[C/T]GAAGGATG GCTGGGTGGTCACTCCTCAGAACTCCTCATCCACCTGCTGGTACTTCTGCTC
<i>TP53</i> (Pat #3)	ENSG00000141510	17	TGTGGAATCAACCCACAGCTGCACAGGGCAGGTCTTGGCCAGTTGGCAAACATCTTGTG[A/C]GGGCAGGGGA GTACTGTAGGAAGAGGAAGGAGACAGAGTTGAAAGTCAGGGCACAAGTGAA
<i>TP53</i> (Pat #5)	ENSG00000141510	17	CCCCCTCTCCAGAGACCCAGTTGCAAACCAGACCTCAGGCGGCTCATAGGGCACCACCA[CACT/AACG]ATGTC GAAAAGTGTTCGTATCCAAACTCCACAGCAAATTTCTTCCACTCGGATA
<i>TP53</i> (Pat #7)	ENSG00000141510	17	GTGCAGGGTGGCAAGTGGCTCCTGACCTGGAGTCTTCCAGTGTGATGATGGTGAGGATGGG[C/A]CTCCGGTTC ATGCCGCCATGCAGGAAGTGTACACATGTAGTTGTAGTGGATGGTGGTAC