

Supplementary Table 1 List of primers used for PCR followed by Sanger sequencing

Gene	Exon/ variant	Forward primer sequence 5'-3'	Reverse primer sequence 5'-3'
Confirmation studies in Tier 1			
<i>FGFR1</i>	5	GGGAGGTTTACAACCCATCA	TCGATGTGCTTTAGCCACTG
<i>FGFR2</i>	7	GGTCTCTCATTCTCCATCCC	CCAACAGGAAATCAAAGAACC
<i>FGFR2</i>	8	<i>tgtaaaacgacggccagt</i> CCTCCACAATCATTCTGTGTC	<i>caggaaacagctatgacc</i> ATAGCAGTCAACCAAGAAAAGGG
<i>FGFR3</i>	7	GCGTCGTGGAGAACAAGTTT	GTGCTTGAGCCACTGGATGT
<i>TWIST1</i>	1	GAGGCGCCCCGCTCTTCTCC	AGCTCCTCGTAAGACTGCGGAC
<i>TWIST1</i>	2	CAAGAAGTCTGCGGGCTGTG	AATCGAGGTGGACTGGGAACCG
Confirmation studies in Tier 2 & 3			
<i>ALX3</i>	c.578_581del	CCTCCCTTTTGTGTTCTCCA	ACTTCACCGCTTCCAAAATG
<i>ARID1A</i>	c.791C>A	ACAACATGGCGGACAACAAA	GACGTGAGCAGTTGGTTGAG
<i>EFTUD2</i>	c.491A>G	TTTCATTTCTGAGGGATGC	AGGGTGAAGGAAGGAGGAGA
<i>ERF</i>	c.394C>T	ATTCATTGATGTGGGGTTGG	GCAGGTACCGTTTCATGTCC
<i>FAM111A</i>	c.913A>G	CATATTTGGCAGGCAGGACA	GTCTCCCACAATGCTATCT
<i>KMT2A</i>	c.93_163del	ACTTCACGGGGCGAACATG	GATGCTCCTCAATCCCGGAT
<i>KMT2D</i>	c.13663_13671del	GGTTGGTGAGCTCCGAAA	CACTCTACGTCAGCAATTCCC
<i>MN1</i>	c.3883C>T	GGACGGTGCCTGTCTTGAT	TCAGCAATAGTGGCCCTTTC
<i>NSD1</i>	c.2954_2955del	AGGAGCAGCGGTTGATGAC	CATTCTCACTGTTTCATTACAGA
<i>NSD1</i>	c.5332C>T	TGTGGACAGACAGACATTGC	TCTGAGCCTCTGTCTAGCAA
<i>RECQL4</i>	c.308C>T	CTCCTCCCCTTCCCTGTTT	AGTCCCCACGCTCAATTGTA
<i>RECQL4</i>	c.3062G>A	CCTGCCTGCATCTGACATG	GGAGGAGCCTGTCAGAGC
<i>TCF12</i>	c.356T>C	TCCTGCCCAGAATTTGACTC	GCCTGGTAAACTGGGGAAC
<i>TCF12</i>	c.679del	GAGGTTTGTGTTTGGTAAGCC	TCAGCAATAAACACCACTGGA
<i>TCF12</i>	c.932C>G	ACACGTGACTAGGGTACAGC	ATCACCTCCTCAACCTTGA
<i>TCF12</i>	c.2015_2016ins	CTGGAGGCTCAGTTCAATGC	ACCTTTACAATGGCCACTGC
<i>ZIC1</i>	c.1172C>A; c.1210T>C	GAGGCGAGTATGAGCAAAGG	TTTGATTTCGAGGGTTCTTT