



Supplementary Figures

CREBBP-SRGAP2B fusion gene

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CREBBP 3929832 SRGAP2B 144013900
CAAAGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTG
:AACCCCAAAAGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCAC
:AACCCCAAAAGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGATCCGT
:AACCCCAAAAGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGATCCGT
:AACCCCAAAAGAGCCAACTCAGCTCGCCCG
:AACCCCAAAAGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGATCCGTGC
:AACCCCAAAAGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGTCCGTGCTCAGCTC
CCAAAGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCAC AGTCCGTGCTCAGCTC
AAGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGTCCGTGCTCAGCTC
AGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCAC
CAAAGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAAT
AAAGAGCCAACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATG
AACTCAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATG
CAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTG
CAGCTCGCCCGTTTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTG
CGTTTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGC
GTTTTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTG
GTTTTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTG
TTCTCGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATG
CGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGAG
CGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGAGCTT
CGGCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGAGCTT
GCGAATGACAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGAGCTT
CAGCACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGAGCTT
CACAG AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGAGCTT
CAGAGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGAGCTT
AGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGAGCTT
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Supplementary Figure 1. CREBBP-SRGAP2B fusion transcript. Alignment of sequence reads mapping across the CREBBP-SRGAP2B fusion gene. The nucleotide position and sequence of the assembled fusion transcript appears at the top and reads are showing below it and the vertical line indicates the fusion point. The data were obtained from RNA-seq analysis of the 74MO case transcriptome using the TopHat-Fusion.

DNAH14-IKZF1 fusion gene

DNAH14 225333860	IKZF1 50444490
AAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGC	CAGTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATG
AGCCTCCTTCTGGAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGC	
TGCCTCCTTCTGGAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGC	CAGTGTGGCT
TGCCTCCTTCTGGAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGC	CAGTGTGGC
TGCCTCCTTCTGGAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGC	CAGTGTGGCT
TCTTCTGGAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGC	CAGTGTGGCTTCTT
TCTTCTGGAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGC	
CCCTAGGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGC	
ACATGAGTGAGGCCAAAAAGC	CAGTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGATC
GCCTTACCACTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGATCCACAGATATCAC	
DNAH14 225333863	IKZF1 50367352
CCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CCACGACTCTGTCACTCTTGGAGCTTGTCTGTCTCCCGAGGTGGTGGAG
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CCACG
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CTAATTAA
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CCACGACTCTG
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CCACGACTCTGT
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	
CCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CCACG
CCCTAGGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	
GGCCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CCACGACTCTGTCACTCTTGGAGCTTGTCTGTCTCCCGAGGTGGTGGAGAGGTCT
ATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CCACGACTCTGTCACTCTTGG
CCCTTACCACTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGATC	CCCTTACCACTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGATC
CTTACCACTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGATC	
DNAH14 225333863	IKZF1 50444490
CCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATG
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CTAATTAA
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTT
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTT
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCT
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCT
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGT
GAACCACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGT
CCCTAGGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	
ACTAGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATG
AGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATGAGC
AGTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATGAGC
GTGGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATGAGCA
GGGCGCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATGAGCA
GGCCTATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATGAGCACAT
ATGAGGCTCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATGAGCACATTGGG
TCCACATGAGTGAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGATC
AGTGAAGGCCAAAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGAT
AAAAGCCTG	CAGTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGAT
GCCTTACCACTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGAT	CAGTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGAT
CAGTGTGGCTTCTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGAT	
DNAH14 225346497	IKZF1 50444230
TACATGACTGATGCTGGCACTGGAAGTGTCTACTGCCTCTGCTATTTCTG	CCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAATGGCGTGCC
ATACCAATACATGACTGATGCTGGCACTGGAAGTGTCTACTGCCTCTGCTATTTCTG	
ATACCAATACATGACTGATGCTGGCACTGGAAGTGTCTACTGCCTCTGCTATTTCTG	
GGAACTGCTACTGCCTCTGCTATTTCTG	CCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAATGGG
	TTACCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAATGGCGTGCTGTGAAT
	CCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAATGGCGTGCTGTGAAT
DNAH14 225347499	IKZF1 50367352
CTTTTGAATGAGGATAATAGTGTCTGTTCTTCCACTTTGAAAGGGTGC	CCACGACTCTGTCACTCTTGGAGCTTGTCTGTCTCCCGAGGTGGTGGAG
TTTCATCTTTTGAATGAGGATAATAGTGTCTGTTCTTCCACTTTGAAAGGGTGC	CCACGACT
ATGAGGATAATAGTGTCTGTTCTTCCACTTTGAAAG	
CTGTTCTTCCACTTTGAAAGGGTGC	CCACGACTCTGTCACTCTTGGAGCTTGTCTGTCTCCCGAGGTGGTGG
CTGTTCTTCCACTTTGAAAGGGTGC	CCACGACTCTGTCACTCTTGGAGCTTGTCTGTCTCCCGAGGTGGTGG
TCTTCCACTTTGAAAGGGTGC	CCACGACTCTGTCACTCTTGGAGCTTGTCTGTCTCCCGAGGTGGTGG
TCTTCCACTTTGAAAGGGTGC	CCACGACTCTGTCACTCTTGGAGCTTGTCTGTCTCCCGAGGTGGTGG
CCACTTACCACTGTCTGTCACTCTTGGAGCTTGTCTGTCTCCCGAGGTGGTGGAGGTCTCTG	

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Supplementary Figure 2. DNAH14-IKZF1 fusion transcript. Alignment of sequence reads mapping across the *DNAH14-IKZF1* fusion genes. The nucleotide position and sequence of the assembled fusion transcript appears at the top and reads are showing below it and the vertical line indicates the fusion point. The data were obtained from RNA-seq analysis of the 179MO case transcriptome using the TopHat-Fusion.

DNAH14 225354984	IKZF1 50367352
TTCTGTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CCACGACTCTGTCACTCTTGGAGCTTTGCTGCTCCCGAGGTGGTGGAG
TTCTGTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGATC	
CTGTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CCACGACTCTGTCACTCTTGGAGCT
CTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CCACGACTCTGTCACTCTTGGAGCTTTGCT
	CCACTTACCACGACTCTGTCACTCTTGGAGCTTTGCTGCTCCCGAGGTGGTGGAGAG
DNAH14 225354984	IKZF1 50435762
TTCTGTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	GAGAGAAAGATTGGGAATTATTGCATGGAAATCCCTAAAGTCATCAGCC
TGTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGATC	
TCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	GAGAGAAAGATTGGGAATTATTGCATGG
TCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	GAGAGAAAGATTGGGAATTATTGCATGG
GGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	GAGAGAAAGATTGGGAATTATTGCATGGAAATCCCTAAAGTCATCA
AATGAAAAATGGAATGGAAGAGAT	GAGAGAAAGATTGGGAATTATTGCATGGAAATCCCTAAAGTCATCA
GAAAAATGGAATGGAAGAGAT	GAGAGAAAGATTGGGAATTATTGCATGGAAATCCCTAAAGTCATCA
	TACGAGAGAAATGATTGGGAATTATTGCATGGAAATCCCTAAAGTCATCA
DNAH14 225354984	IKZF1 50444490
TTCTGTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATG
TTTGTCTCTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTT
TTTGTCTCTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTT
TTTGTCTCTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGATC	
TCTGTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTG
TCTGTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGATCCAT
TCTGTCTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACC
CTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATG
CTCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATG
TCAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGCAC
CAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGC
CAATGTAGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGCAC
AGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGCACATTGGG
AGGGATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGCACATTGG
GATGCAAGGAATGAAAAATGGAATGGAATGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGCCATTGGGCCCG
GATGCAAGGAATGAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGCACATTGGGCCCG
GAAAAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGATC
AAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGATCCCA
AAATGGAATGGAAGAGAT	CAGTGTGGCTTCTTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGATCCC
GCCTTAC	CAGTGTGGCTTCTTTTGTGAACCATGAGCACATTGGGCCCGATGCAAAATGATCCCA
DNAH14 225374260	IKZF1 50448363
TTTAAGTACAAAAGTAGTACATATAATTGTGAGAAATTTGGAAAAATAAAA	CCAACTACAGCTCTCATTTGGACAGGGTGGCCTCTCAGGAGAAAGCTCAT
AAGTACAAAAGTAGTACATATAATTGTGAGAAATTTGGAAAAATAAAA	
AAGTACAAAAGTAGTACATATAATTGTGAGAAATTTGGAAAAATAAAA	CCAACTACAGCTC
CAAAAGTAGTACATATAATTGTGAGAAATTTGGAAAAATAAAA	CCAACTACAGCTCTCATTTGGACAGGGTGG
TTGTGAGAAATTTGGAAAAATAAAA	CCAACTACAGCTCTCATTTGGACAGGGTGGCCTCTCAGGAGAAAGCTCAT
GAAATTTGGAAAAATAAAA	CCAACTACAGCTCTCATTTGGACAGGG
GAAATTTGGAAAAATAAAA	CCAACTACAGCTCTCATTTGGACAGGGTGGCCTCTCAGG

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Supplementary Figure 2. Continued

ETV6-SNUPN fusion gene

ETV6 11905512	SNUPN 75913396
TCGAGCGCTCAGGATGGAGGAAGACTCGATCCGCCTGCCTGCGCACCTGC	GGAAGATGGAAGAGTTGAGTCAGGCCCTGGCTAGTAGCTTTTCTGTGTCT
TGCCTCG	
TGCCTCGAGCG	
TGCCTCGAGCGCTCAGGATGGAGG	
TGCCTCGCGCGCTCAGGATCGAGGAAGACTCG	
TGCCTCGAGCGCTCAGGATGGAGGAAGACTCGATCCGC	
TGCCTCGAGCGCTCAGGATGGAGGAAGACTCGATCCGCCTGCCTGCGC	
TGCCTCGAGCGCTCAGGATGGAGGAAGACTCGATCCGCCTGCCTGCGCACCTGC	
CGAGCGCTCAGGATGGAGGAAGACTCGATCCGCCTGCCTGCGCACCTGC	GGAAGATGGAAGAGTTGAGTCAG
AGCGCTCAGGATGGAGGAAGACTCGATCCGCCTGCCTGCGCACCTGC	GGAAGATGGAAGAGTTGAGTCAGGCCCTGGCTAGTAGCTTTTCTGTGTCT
AAGACTCGATCCGCCTGCCTGCGCACCTGC	GGAAGATGGAAGAGTTGAGTCAGGCCCTGGCTAGTAGCTTTTCTGTGTCT
AGACTCGATCCGCCTGCCTGCGCACCTGC	GGAAGATGGAAGAGTTGAGTCAGGCCCTGGCTAGTAGCTTTTCTGTGTCT
CGATCCGCCTGCCTGCGCACCTGC	GGAAGATGGAAGAGTTGAGTCAGGCCCTGGCTAGTAGCTTTTCTGTGTCTCAA
	GATGGAAGAGTTGAGTCAGGCCCTGGCTAGTAGCTTTTCTGTGTCTCAA
	GAAGAGTTGAGTCAGGCCCTGGCTAGTAGCTTTTCTGTGTCTCAA
	TTGAGTCAGGCCCTGGCTAGTAGCTTTTCTGTGTCTCAA
	CAGGCCCTGGCTAGTAGCTTTTCTGTGTCTCAA
	CCTGGCTAGTAGCTTTTCTGTGTCTCAA
	GGCTAGTAGCTTTTCTGTGTCTCAA
	TAGTAGCTTTTCTGTGTCTCAA
	TAGCTTTTCTGTGTCTCAA
	CTTTTCTGTGTCTCAA
	A

Supplementary Figure 3. ETV6-SNUPN fusion transcript. Alignment of sequence reads mapping across the *ETV6-SNUP* fusion gene. The sequence of the assembled fusion transcript appears at the top and reads are showing below it and the vertical line indicates the fusion point. The data were obtained from RNA-seq analysis of the 28MO case transcriptome using the TopHat-Fusion.

ETV6-NUFIP1 fusion gene

ETV6 11803093	NUFIP1 45540070
CTCTCTCGCTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGGCCAATATTGAAAGGAAGAAGATTAAACCTTG
CTGATCTCTCTCGCTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATT	
CTGATCTCTCTCGCTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCC
CTGATCTCTCTCGCTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGG
TGATCTCTCTCGCTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGGCC
TGATCTCTCTCGCTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGGCC
ATCTCTCTCGCTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGGCCAAAT
TCTCTCTCGCTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGGCCAAAT
CGCTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGG
CGCTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGGCC
CTGTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGGCCAAATATTGAAAGG
GTGAGACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGGCCAAATATTGAAAGGA
GACATGTCTGAGACTCCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGGCCAAATATTGAAAGGA
CCTGCTCAGTGTAGCATTAAAG	AAACTATCCAACCTCTGGCCAAATATTGAAAGGAAGAAGATTAAACCTTGA
GTAGCATTAAAG	AAACTATCCAACCTCTGGCCAAATATTGAAAGGAAGAAGATTAAACCTTGAAGAAG
GTAGCATTAAAG	AAACTATCCAACCTCTGGCCAAATATTGAAAGGAAGAAGATTAAACCTTGAAGAAG
GTAGCATTAAAG	AAACTATCCAACCTCTGGCCAAATATTGAAAGGAAGAAGATTAAACCTTGAAGAAG
AGCATTAAAG	AAACTATCCAACCTCTGGCCAAATATTGAAAGGAAGAAGATTAAACCTTGAAGAAG
AGCATTAAAG	AAACTATCCAACCTCTGGCCAAATATTGAAAGGAAGAAGATTAAACCTTGAAGAAG
GCATTAAAG	AAACTATCCAACCTCTGGCCAAATATTGAAAGGAAGAAGATTAAACCTTGAAGAAG
	AACTATCCAACCTCTGGCCAAATATTGAAAGGAAGAAGATTAAACCTTGAAGAAG
	ATCCAACCTCTGGCCAAATATTGAAAGGAAGAAGATTAAACCTTGAAGAAG
	CAACTCTGGCCAAATATTGAAAGGAAGAAGATTAAACCTTGAAGAAG

Supplementary Figure 4. ETV6-NUFIP1 fusion transcript. Alignment of sequence reads mapping across the *ETV6-NUFIP1* fusion gene. The nucleotide position and sequence of the assembled fusion transcript appears at the top and reads are showing below it and the vertical line indicates the fusion point. The data were obtained from RNA-seq analysis of the 28MO case transcriptome using the TopHat-Fusion.

[illegible]

Supplementary Figure 5. EP300-ZNF384 fusion transcript. Alignment of sequence reads mapping across the EP300-ZNF384 fusion gene. The nucleotide position and sequence of the assembled fusion transcript appears at the top and reads are showing below it and the vertical line indicates the fusion point. The data were obtained from RNA-seq analysis of the 197MO case transcriptome using the TopHat-Fusion.