

Supplementary Table S2: Primers used in this study

CIC Primer for Exon Sequencing

Primer	Sequence 5'--> 3'	Product Length
CIC_x1_1_F CIC_x1_B_R	ACCATGTATTCGGCCCACA CTGCACCCCTCACCTTTCTA	334 bp
CIC_x2_F CIC_x2_R	CCTCATCTAGGGTGGGGAAG AGCAACAGCTGCCGACTC	344 bp
CIC_x3_F CIC_x3_R	CAACCAGAGCAAAGGTGAGG GACATGATGGAGAGGAAGCTG	431 bp
CIC_x4_F CIC_x4_R	ACCATGATGATGCGTGAGTT CTTCTCCCGCTGCATTAAAC	326 bp
CIC_x5_F CIC_x5_R	CAAGGAACGGGACTCATCTT AGGGCAACCCTTCACTCAC	394 bp
CIC_x45_F CIC_x45_R	CATGATGATGCGTGAGTTCC AAGTGGGCCTCCTTCACCT	597 bp
CIC_x6_F CIC_x6_R	GTAACGCTGTTGCCTCTTGG AAGCAAGGGGGTAGCTGGT	318 bp
CIC_x7_F CIC_x7_R	GAAATTCCAGCCTGCTTCTG CTGCAGGATAGGTGGCAG	406 bp
CIC_x8_F CIC_x8_R	GAACTGACGCAGGTCTAGGG AAGTTCTGCCCACCCTCTG	398 bp
CIC_x9_F CIC_x9_R	GCCGGTTTGGAGCAGAG ACTATGACCCAACTCCCCAC	344 bp
CIC_x10_1_F CIC_x10_1_R	GATGAATTGAGGCCTTCAGC TCTTGCTCCTCCTTGTGTTGG	595 bp
CIC_x10_2_F CIC_x10_2_R	ACCAGGCCCTCAGTCAT GGTGCCCAACAGTAGGTTAG	469 bp
CIC_x10_3_F CIC_x10_3_R	CTGCTGGGCACTGTGGG AAGAGGCAAGAAAGGAAAAGG	536 bp
CIC_x11_F CIC_x11_R	CCATCCTGCAGTCTGTACCC ATCACGGAAGATGGCAAGAC	445 bp
CIC_x1213_F CIC_x1213_R	TCTGTGTTCCCTTGCTTTTGC AAGCAGGAGACCAAGTTAGGG	567 bp
CIC_x14_F CIC_x14_R	GTGCAGCCCCTGCTCTC GGGGAGAAAATTGTTTGCTG	503 bp
CIC_x15_F CIC_x15_R	TCAGATCAACCCAGAGCAGA ACGTCAATGGAGAGGCACA	475 bp
CIC_x16_F CIC_x16_R	CGGGCTCAGATCCAACTCT TCGAAGTCCAATTCTGACAGG	457 bp
CIC_x17_F CIC_x17_R	CTTGGTGGAGCGTGTTAGG CAGGTCTGGCCAAACAGAAG	323 bp
CIC_x18_F CIC_x18_R	AAGAGGAAGAACTCCACGGG GGACCCACCCTACCTCTCTC	329 bp

CIC_x19_F	TAGAATGCAGTGAGGGCTTG	366 bp
CIC_x19_R	TTGGAGGGAAAGATGTCTGC	
CIC_x20_F	TTCAGGACCATGGCTTCTTC	572 bp
CIC_x20_R	TTACCCGGGAGGAGATAACC	

CIC Primer Flanking the Deletion in BT1

Primer	Sequence 5'--> 3'	Product Length
CICBP_x_1F	GTGTTCCAGCTCCCCATTCT	281 bp
CICBP_x_1R	AAAGTGAGGTTTCAGCCATGC	
CICBP_x_2F	CAAGCCCCATAGAAGCAAGA	292 bp
CICBP_x_2R	AATGAGGCTTTCTGCCATA	
CICBP_x_3F	TATGGCAGGAAAGCCTCATT	287 bp
CICBP_x_3R	GTCTTCATCGGGGACTCCTT	
CICBP_x_4F	CTTTGCTGTCAGCCACGAAC	300 bp
CICBP_x_4R	AGATGAGTGGAGAGGAGAACC	
CICBP_x_5F	TCTCCTCTCCACTCATCTTGG	381 bp
CICBP_x_5R	GTGGGTGGTTTCTCCCTCCT	
CICBP_x_6F	CAAGACATCACAGGACCCCTA	284 bp
CICBP_x_6R	GGCCTTGGCTATGGATGTAG	
CICBP_x_7F	AATGAGTGGGTCAGCTCCTG	256 bp
CICBP_x_7R	TTCCACGATATTCCTCAAAC	
CICBP_x_8F	TTATGTCTGTGGCTGCTTGG	283 bp
CICBP_x_8R	GGCTCTGAGAGGACGGAAC	
CICBP_qLR_F	TCCCAGCCCGTAGAGGTC	127 bp
CICBP_qLR_R	CCCACCAATCTCCACCAG	
CICBP_LRn_F	CTAAGTGCGGAGTAACGGTGGTG	19099 bp
CICBP_LR_R	TCTGCTTGCCATTCTTCATTATC	
CICBP_LRex_F	GTCAAGGTGTCGGGGTGCTAAG	19173 bp
CICBP_LRex_R	GCTATTCCACGATATTCCTCAAAC	

FUBP1 Primer for Exon Sequencing

Primer	Sequence 5'--> 3'	Product Length
FUBP1_x1_F	GGTCGCGCAAGAATGTAATAG	340 bp
FUBP1_x1_R	CCGGAAGAACACCTCTTTCC	
FUBP1_x2_F	TCTCTTCCGGATTCTAGTTG	498 bp
FUBP1_x2_R	CCCTTTTAGGCCAATATACAGC	
FUBP1_x3_F	TGGCAGTTTTGGTTCAAATG	272 bp
FUBP1_x3_R	AAACCAACTAACTTCAAAGATACCC	
FUBP1_x4_F	CTCTTCAAGGTGTTGTCTGTGC	303 bp
FUBP1_x4_R	TTCCCAAGGGGAGTGATATG	
FUBP1_x567_F	AAGCCATTGGGAGACATTAGAC	641 bp
FUBP1_x567_R	AGGACTTTGAGGGAAGGTGG	
FUBP1_x6_F	TCACACTGAAAATACCATGAGAATG	108 bp

FUBP1_x6_R	AGTAATTGGCAGAGGAGGTGA	
FUBP1_x89_F	GGCACCTAATCCTGAACTGG	
FUBP1_x89_R	CTCTAACACCATTTCCTTGGC	624 bp
FUBP1_x1011_F	CAAACTCACTGCTGCCAAC	
FUBP1_x1011_R	TTAAAATGTTTTGAGACATGCTTT	593 bp
FUBP1_x12_F	CAAAATGATGCTGGTGTTCCG	
FUBP1_x12_R	AAAGCATCATCAAGCAGACTC	334 bp
FUBP1_x13_F	GATTCAGGTATATGAGAGCTGGG	
FUBP1_x13_R	TTCTTTTCTACTAAAATACGGTCAGAG	363 bp
FUBP1_x14_F	TGCTGACTAGTAATGATACATTTTCC	
FUBP1_x14_R	GGCCCATTTAATTGTGACCA	356 bp
FUBP1_x1516_F	TCTCATTATTATGGCAGATGAAATAG	
FUBP1_x1516_R	ACACTGGGGTAGAGGCAGTG	639 bp
FUBP1_x17_F	ATATTGCCAGAGAGCTGGG	
FUBP1_x17_R	GGTGCTCCGGGTATTCTTC	419 bp
FUBP1_x18_F	CTCACTGTCACATTGCAGGC	
FUBP1_x18_R	CAACTGTCTTGATATGTTTACAAGTCC	300 bp
FUBP1_x19_F	TCAACAAGGGCAAACACAAG	
FUBP1_x19_R	AATTTAAAAGGCAAACACTCCC	372 bp
FUBP1_x20_F	TTGCAAATCATGCAAGAAGC	
FUBP1_x20_R	AAAACAAACCAATTTTCATTCTACAC	360 bp

IDH1/2 Primer for Exon Sequencing

Primer	Sequence 5'--> 3'	Product Length
IDH1_x1_F	ACCAAATGGCACCATACGA	
IDH1_x1_R	TTCATACCTTGCTTAATGGGTGT	254 bp
IDH2_x1_F	GCTGCAGTGGGACCACTATT	
IDH2_x1_R	TGTGGCCTTGTAAGTGCAGAG	293 bp