	Supplementary Table 2. Primers, siRNAs, FUSE anti-sense oligonucletids and PCR conditions used in this study.		
Targets	**RT-PCR primers**	**Sequences**	**PCR conditions**
FIR-N-term mRNA	FIR-Forward (N-term)	5'-AGACAGCGGAAGGAGCAAGAGTGG-3',	95℃;10min, (95℃; 30sec, 56℃; 30sec, 72℃; 30sec)x35cycles, 72℃; 10min
	FIR-Reverse (N-term)	5'-CTGTGCAGCTTCGGGGACCTCATA -3'	
βactin mRNA	βactin-Forward	5'-TGGAGAAAATCTGGCACCAC-3'	95℃;10min, (95℃; 30sec, 56℃; 30sec, 72℃; 30sec)x35cycles, 72℃; 10min
	βactin-Reverse	5'-AATGGTGATGACCTGGCCGT-3'	
	qRT-PCR primers	**Sequences**	
c-*myc* mRNA	*c-myc*-Forward	5'-GCCTCAGAGTGCATCGAC-3'	95℃;10min, (95℃; 10sec, 62℃; 10sec, 72℃; 7sec)x40cycles, 40℃; 30sec
	c-myc-Reverse	5'-TCCACAGAAACAACATCG -3'	
FIR mRNA	FIR-Forward (exons 2)	5'-CCATAGCTCTCCAGGTCA-3'	95℃;10min, (95℃; 10sec, 60℃; 15sec, 72℃; 14sec)x40cycles, 40℃; 30sec
FIRΔexon2 mRNA	FIR-Forward (exons 1-3)	5'-CGACCATAGCTCTCGGCA-3'	95℃;10min, (95℃; 10sec, 60℃; 20sec, 72℃; 13sec)x45cycles, 40℃; 30sec
	FIR-Reverse	5'-CGTAGACGCGGCACATGA-3'(exon6)	
	FIR-Frobe at exons4-6	5'-GCAGCTCACCAACCTGCAGATGGC-3' with fluorescein	
	FIR-Frobe at exon6	5'-GCTCAGCGGCAGCGGGCGCT-3' with LCRed	
FIR Δ3 mRNA	FIR Δ3-Forward (exons3-6)	5'-GAGGCCCTTCAGAAGATG-3'	95℃;10min, (95℃; 10sec, 63℃; 15sec, 72℃; 8sec)x40cycles, 40℃; 30sec
FIR Δ4 mRNA	FIR Δ4 -Forward (exons1-6)	5'-GGCGACCATAGCTCTCAT-3'	95℃;10min, (95℃; 10sec, 65℃; 15sec, 72℃; 8sec)x40cycles, 40℃; 30sec
	FIR Δ3 Δ 4-Revers(exon7)	5'-TTCGGGGACCTCATACTC-3'	
	FIR Δ3 Δ 4-Probe at exon6	5'-CCCCCTTTGGCCCCATCAAGAGCATC-3' with fluorescein	
	FIR Δ3 Δ 4-Probe at exon6	5'-ACATGTCCTGGGACTCCGTCACCATGAAG-3' with LCRed	
SAP155 mRNA	SAP155-Forward	5'-TTATGGTGGAAGTGACAGCA-3'	95℃;10min, (95℃; 10sec, 60℃; 25sec)x45cycles, 40℃; 30sec
	SAP155-Reverse	5'-TCTGACCAAGCAAACTCGTA-3'	
	SAP155-TaqMan Probe	5'-CAACTGAACTTGAAGATGATGACGATGACT-3'	
SAP130 mRNA	SAP130-Forward	5'-CCCAGCAGACACTTACTTTC-3'	95℃;10min, (95℃; 10sec, 60℃; 25sec)x45cycles, 40℃; 30sec
	SAP130-Forward	5'-TCCACTTGGACCATCTGAC-3'	
	SAP130-TaqMan Probe	5'-TTGCCGTGTTCCTCCAAAGGTTCACT-3'	
	siRNA	**Sequences**	
FIR protein	FIR siRNA	5'-rCrArGUrGrAUrGrGUUrCUrGrCrGrCrArATT (sense)	
		5'-UUrGrCrGrCrArGrArArCrCrAUrCrArCUrGTT (anti-sene)	
SAP155 protein	SAP155 siRNA	5'-rCrGrArGUUUrGrCUUrGrGUrCrArGrArATT (sense)	
		5'-UUrCUrGrArCrCrArArGrCrArArArCUrCrGTT (anti-sene)	
	Transcribed c-*myc* intron	**Sequences**	
c-*myc* intron 1	c-myc-F (exon1)	5'-CAGGACCCGCTTCTCTGAAA	
	c-myc-R1 (exon1)	5'-ggcattcgactcatctcagc	95℃;10min, (95℃; 30sec, 58℃; 30sec, 72℃; 30sec)x35cycles, 72℃; 10min
	c-myc-R2 (intron1)	5'-ccccgatccagttctggatt	95℃;10min, (95℃; 30sec, 58℃; 30sec, 72℃; 30sec)x35cycles, 72℃; 10min
	c-myc-R3 (intron1)	5'-ggtccctactccaaggagct	95℃;10min, (95℃; 60sec, 56℃; 60sec, 72℃; 120sec)x35cycles, 72℃; 10min
	c-myc-R4 (intron1)	5'-cgtctccggctgtcagaaat	95℃;10min, (95℃; 60sec, 56℃; 60sec, 72℃; 120sec)x35cycles, 72℃; 10min
	c-myc-R5 (intron1)	5'-cggagattcgcccctggtttt	95℃;10min, (95℃; 60sec, 56℃; 60sec, 72℃; 120sec)x35cycles, 72℃; 10min
	c-myc-R6 (intron1)	5'-cccgtccaacactccttttg	95℃;10min, (95℃; 60sec, 56℃; 60sec, 72℃; 120sec)x35cycles, 72℃; 10min
FIR/FIRΔexon2-Myc-tag	**PCR primers**	**Sequences**	
	FIR-BglII-F	5'-tgcggcagatctttgtggag	95℃;2min, (95℃; 30sec, 50℃; 30sec, 72℃; 90sec)x30cycles, 72℃; 10min
	FIR-Myc-XbaI-R	5'-atctctagatcacaggtcctcctctgagatcagcttctgcattgatgccatcgcagagaggtc	95℃;2min, (95℃; 30sec, 50℃; 30sec, 72℃; 90sec)x30cycles, 72℃; 10min
EMSA	**FUSE ss-oligonicleotides**	5'-ATAATGTATATTCCCTCGGGATTTTTTATTTTGTGTTATT	