

Table SI. Oligonucleotides sequences used in the present study.

Vector	Primer sequence (5' → 3')
OE-circRPPH1	F: CGGAATTCTAATACTTTCAGGTGAGTTCCCAGAGAACGGGGCT
	R: CGGGATCCAGTTGTTCTTACCTCACCTCAGCCATTGAACTCAC
OE-FUS	F: ATAGGATCCCGATGGCCTCAAACGATTATACCCA
	R: ATAGCGGCCGCTTAATACGGCCTCTCCCTGC
shFUS#1	F: GATCGCCTGGGTGAGAATGTTACAACCTCGAGTTGTAACATTCTCACCCAGGCTTTTT
	R: GGCCAAAAAGCCTGGGTGAGAATGTTACAACCTCGAGTTGTAACATTCTCACCCAGGC
shFUS#2	F: GATCCGTGGTGGCTTCAATAAATTTCTCGAGAAATTTATTGAAGCCACCACGTTTTT
	R: GGCCAAAAACGTGGTGGCTTCAATAAATTTCTCGAGAAATTTATTGAAGCCACCACG
sh-circRPPH1#1	F: GATCGTGAGGTGAGTTCCCAGAGAACTCGAGTTCTCTGGGAACTCACCTCACTTTTT
	R: GGCCAAAAAGTGAGGTGAGTTCCCAGAGAACTCGAGTTCTCTGGGAACTCACCTCAC
sh-circRPPH1#2	F: GATCCTGAGGTGAGGTGAGTTCCCACTCGAGTGGGAACTCACCTCACCTCAGTTTTT
	R: GGCCAAAAACTGAGGTGAGGTGAGTTCCCACTCGAGTGGGAACTCACCTCACCTCAG
sh-circRPPH1#3	F: GATCGGTGAGGTGAGTTCCCAGAGACTCGAGTCTCTGGGAACTCACCTCACCTTTTT
	R: GGCCAAAAAGGTGAGGTGAGTTCCCAGAGACTCGAGTCTCTGGGAACTCACCTCACC
miR-296-5p mimics	AGGGCCCCCCCUCUAAUCCUGU
miR-NC	GGUUCGUACGUACACUGUUCA
Inh-296-5p	UCCCGGGGGGGAGUUAGGACA
Inh-NC	CGGUACGAUCGCGGC GGGAUUAUC
circRPPH1 FISH	CCCGTTCTCTGGGAACTCACCTCACCTCAGCCATTGAACT-Cy3
18S FISH	CTTCCTTGGATGTGGTAGCCGTTTC-Cy3
U6 FISH	GAACGCTTCACGAATTTGCGTGTCATCCTTGCGCA-Cy3

F, forward; R, reverse; OE, overexpression; sh-, short hairpin; circ, circular; miR, microRNA; NC, negative control.

Table SII. The qPCR primers in the present study.

Gene name	Primer sequence (5'→3')
circRPPH1-convergent	F: GTCAGACTGGGCAGGAGATG
	R: CTCACCTCAGCCATTGAACTC
circRPPH1-divergent	F: CTGAGGTGAGGTGAGTTCCC
	R: TGGCCGTGAGTCTGTTCCAAG
Linear RPPH1	F: GTCCTGTCACTCCACTCCCATG
	R: TCCACGGCATCTCCTGCCC
GAPDH	F: GGAGCGAGATCCCTCCAAAAT
	R: GGCTGTTGTCATACTTCTCATGG
GAPDH-divergent	F: TCAAGAAGGTGGTGAAGCAGGC
	R: ATGCCAGTGAGCTTCCCGTT
STAT3	F: CAGCAGCTTGACACACGGTA
	R: AAACACCAAAGTGGCATGTGA
FUS	F: ATGGCCTCAAACGATTATACCCA
	R: GTAACCTCTGCTGTCCGTAGGG
U6	F: GCTTCGGCAGCACATATACTAAAAT
	R: CGCTTCACGAATTTGCGTGTCAT
NRG1	F: CGGTGTCCATGCCTTCCAT
	R: GGGAGGCTGTTACTGTCATGC
hsa-miR-296-5p	F: TATTCTTAGGGCCCCCCTC
	R: Provided by Sangon
hsa-miR-615-5p	F: TTATTAGGGGGTCCCCGGT
	R: Provided by Sangon

F, forward; R, reverse; has, *Homo sapiens*; circ, circular; miR, microRNA.

Table SIII. Antibodies used in the present study.

Antigen	Manufacturer	Catalogue number
STAT3	Abclonal Biotech Co., Ltd.	A19566
phosphorylated STAT3	Abcam	ab267373
FUS	Abcam	ab243880
Ki-67	Boster Biological Technology	A00254
AGO2	Abcam	ab186733
Histone H3	Boster Biological Technology	A12477-2