Supplementary Tables and Figures

Table S1 Primer sequences of miR-29b-3p and RNU6

Gene	Sequence	
miR-29b-3p	5'-TAGCACCATTTGAAATCAGTGTT-3'	
RNU6	F	5'-CTCGCTTCGGCAGCACA-3'
	R	5'-AACGCTTCACGAATTTG-3'

Table S2 Primer sequences for WISP1 and GADPH

Gene	Sequence	
Wisp1	F	5'-CGAGGTACGCAATAGGAGTGTG-3'
	R	5'-CACGTGCAGTTGTACTTGCAGTTAG-3'
GADPH	F	5'-TCGCTCTCTGCTCCTCCTGTTC-3'
	R	5'-CGCCCAATACGACCAAATCC-3'

Table S3 miRNA/Oligonucleotide sequences for expression miR-29b

Gene	Sequence
miR-29b-3p mimics	5'-UAGCACCAUUUGAAAUCAGUGUU-3' 3'-AUCGUGGUAAACUUUAGUCACAA-5'
miR-con	5'-UUUGUACUACACAAAAGUACUG-3' 3'-AAACAUGAUGUGUUUUCAUGAC-5'
anti-miR-29b-3p	5'-UAGCACCAUUUGAAAUCAGUGUU-3'
anti-miR-con	5'- AAACAUGAUGUGUUUUCAUGAC -3'

Table S4 Oligonucleotide sequences for WISP1-3'UTR and WISP1-3'UTR mutant

Oligonucleotide	Sequence
WISP1-3'UTR	5'-TCTAGAATTCCCTCTTTCCCATCGGAACCAGCTCTCATCACACATTTAAAAG ATGATTCTGTTTACCCAATGCTGCATATTGAATGTTGTGTAGTTATTCACAGGGA ATTCTGTGCAGTGTGCAGAGAGATTCCTAAACGGGAAAAGGACTGGGAATAC ATCCTCCTTACTGTGACCTCCCCAAAACCTAGTCCAGTGCAAGGTATACAGTGG TGCTCATTAAATACTTGATGAATACAGGAAGCTGTGCATGTGTTCCTACTTTTAT TCGAAGCTCTCTTCTTCCAAAGCTACATGAAAATAGAATTTTAACAGTCAAAAT TTTATATTAAGTGCCTTAGCAAAAGAGACATTTAATATTTCAAA GAAATGCATA TGTATGTATA CATATATTTG TGTATGCGTA TGCAAGAATTTCTAGA-3'
WISP1-3'UTR MUT	5'-TCTAGAATTCCCTCTTTCCCATCGGAACCAGCTCTCATCACACATTTAAAAGA TGATTCTGTTTACCCAATGCTGCATATTGAATGTTGTGTAGTTATTCACAGGGAA TTCTGTGCAGTGTGCAGAGAGATTCCTAAACGGGAAAAGGACTGGGAATACA TCCTCCTTACTGTGACCTCCCCAAAACCTAGTCCAGTGCAAGGTATACAGCAAC ATCCATTAAATACTTGATGAATACAGGAAGCTGTGCATGTGTTCCTACTTTTATT CGAAGCTCTCTTCTTCCAAAGCTACATGAAAATAGAATTTTAACAGTCAAAATT TTATATTAAGTGCCTTAGCAAAAGAGACATTTAATATTTCAAAGAAATGCATATG TATGTATACATATATTTGTGTATGCGTATGCAAGAATTTCTAGA-3'

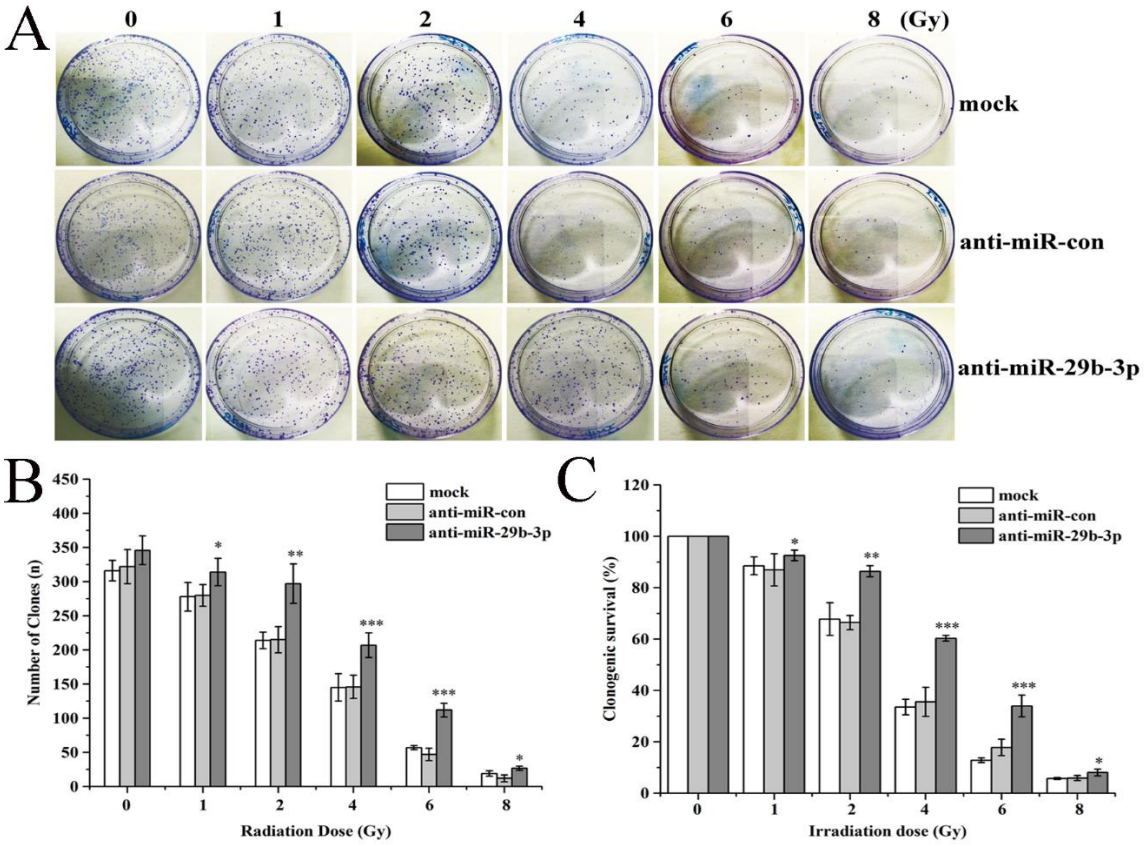

Figure S1. Knockdown of miR-29b-3p attenuates IR-induced inhibition of clone survival in LNCaP cell. (A) Photographs of clone formed by LNCaP following X-rays irradiation. (B) The number of clones. (C) Relative percent of clonogenic survival. $^{*}P<0.05$, $^{**}P<0.01$ and $^{***}P<0.001$ vs. negative control group (anti-con).

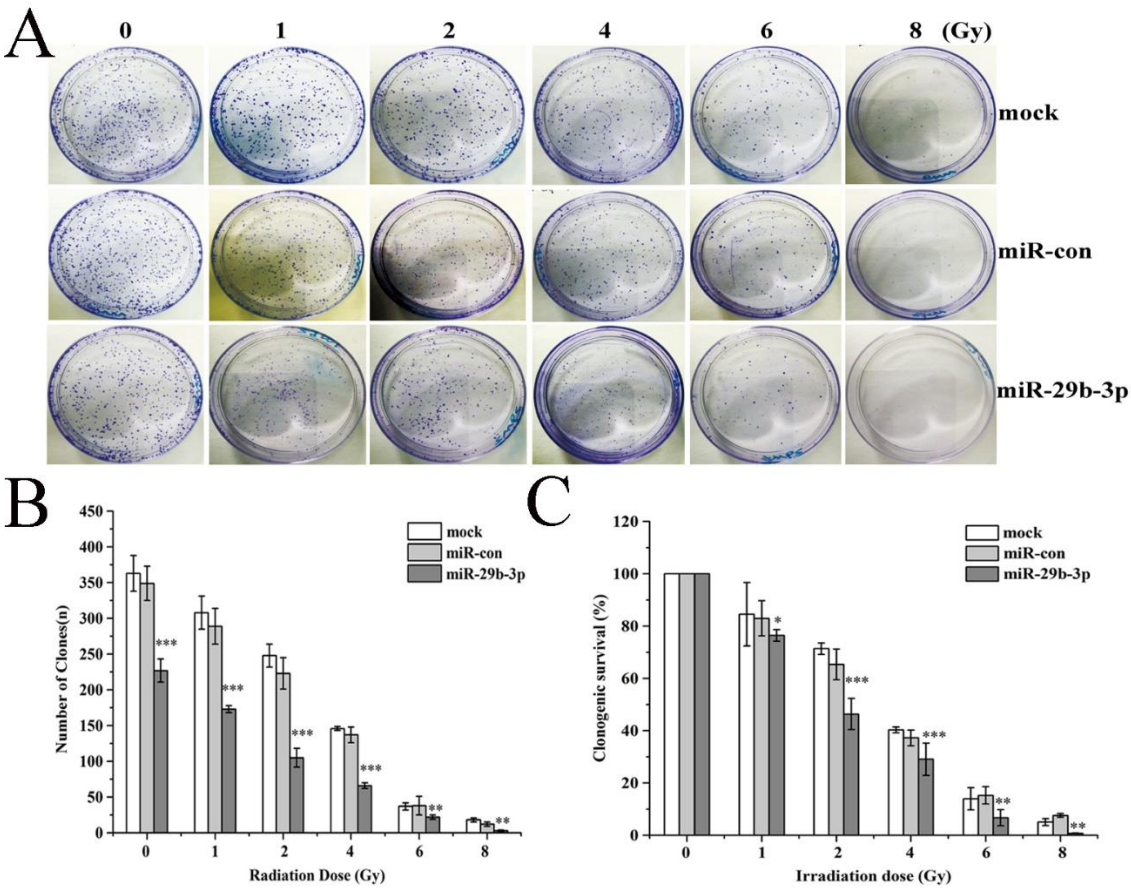

Figure S2. Overexpression of miR-29b-3p enhances IR-induced inhibition of clone survival in LNCaP cell. (A) Photographs of clone formed by LNCaP following X-rays irradiation. (B) The number of clones. (C) Relative percent of clonogenic survival. $^{*}P<0.05$, $^{**}P<0.01$ and $^{***}P<0.001$ vs. negative control group (miR-con).