

Figure S1. Cell line screening and flow cytometry. (A) Reverse transcription-quantitative PCR analysis was performed to detect the expression levels of SNHG16, miR-373-3p and TGF- β -R2 in RWPE1, DU-145, PC-3, 22Rv-1 and LNCaP cells lines. (B) SNHG16 regulated DU-145 cell apoptosis. (C) miR-373-3p inhibitor partially reversed sh-SNHG16-induced apoptosis of DU-145 cells. (D) TGF- β -R2 knockdown partially reversed the antiapoptotic effect of miR-373-3p inhibitor. * P <0.05 vs. RWPE1. SNHG16, small nucleolar RNA host gene 16; miR, microRNA; TGF- β -R2, transforming growth factor- β receptor type 2; sh, short hairpin; lncRNA, long non-coding RNA; PI, propidium iodide; NC, negative control.

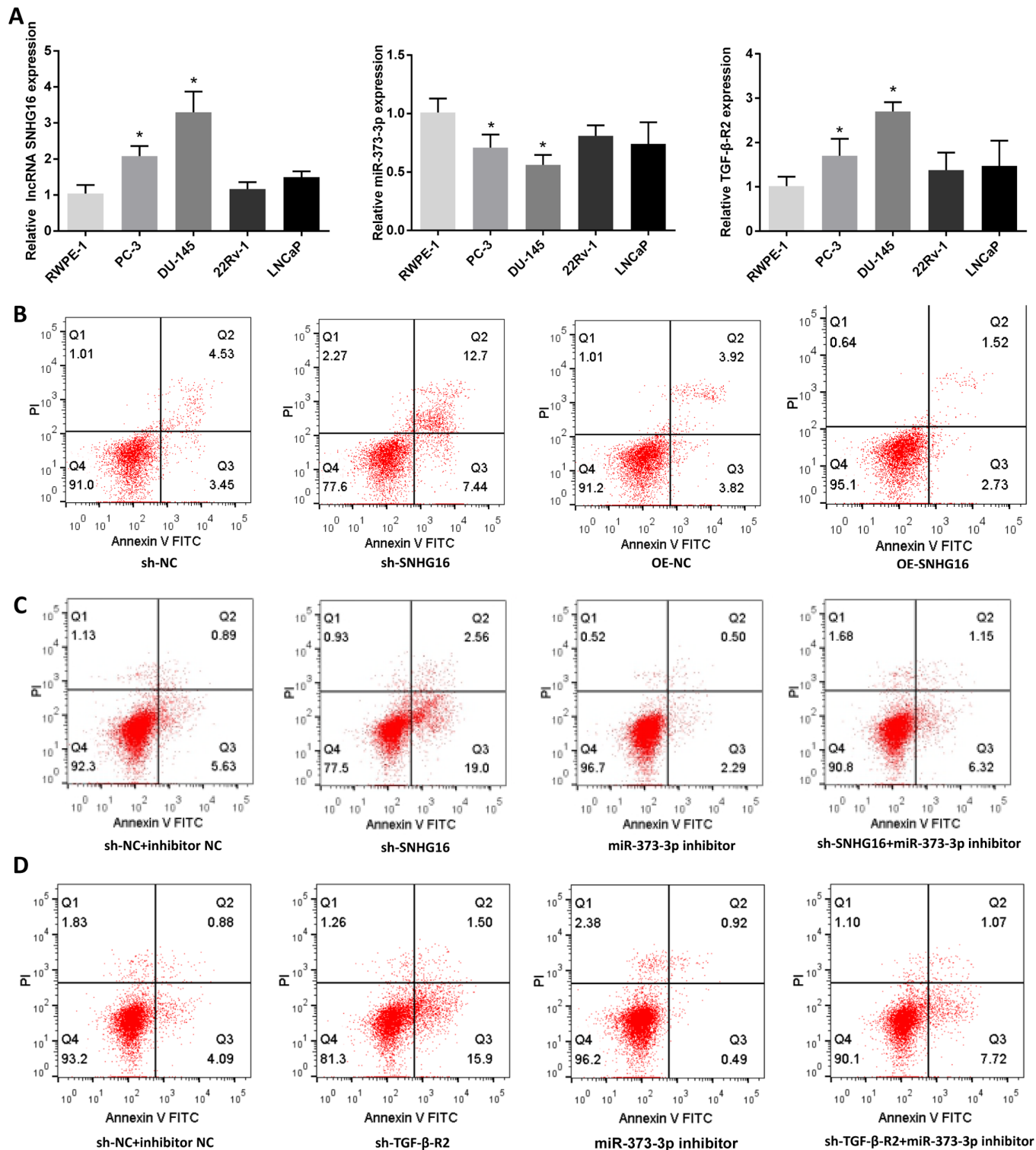


Table SI. Luciferase reporter constructs of SNHG16 and TGF- β -R2 3'-UTR wild-type and mutated form.

Gene	Sequence
SNHG16 3'-UTR wild-type	5'-tcgatgggactgcaaggattgtaaactgaaatgaacatgattatactctgttggagagcctaagaggaaactgatgcatgagtttcagaga gtaatgcttaaccccagttacacaggatgccgtcttggtttcctctgttttagttaccactacagtgattttgtgatctgctaagggtgccaccc acaaccattgcttttagcacttttacttcaaatcaatgaag gattgataaaagtctcctgggtctccgcagagtgccctccagggaacagatctt gcatagaatatcagtggtttcctttttgtttcaaatagtggtcagaaaataccagtggtgactaccaaggcaatcagct-3'
SNHG16 3'-UTR mutant	5'-tcgatgggactgcaaggattgtaaactgaaatgaacatgattatactctgttggagagcctaagaggaaactgatgcatgagtttcagaga gtaatgcttaaccccagttacacaggatgccgtcttggtttcctctgttttagttaccactacagtgattttgtgatctgctaagggtgccaccca caaccattgctttaACGCTTTacttcaaatcaatgaaggattgataaaagtctcctgggtctccgcagagtgccctccagggaacagatc ttgcatagaatatcagtggtttcctttttgtttcaaatagtggtcagaaaataccagtggtgactaccaaggcaatcagct-3'
TGF- β -R2 3'-UTR wild-type	5'-ttcttattcaagaaaaagaccaaggaataacattctgtagttcctaaaaatactgactttttcactactatacataaagggaagttttattc ttttatggaacacttcagctgtactcatgtattaaaataggaatgtgaatgctatatactcttttatatacaaaagtctcaagcattattttattctatgc attgtttgtctttacataaataaaatgtttattagattgaataaagcaaaatactcaggtgagcatcctgcctcctgttccattcctagtagcta-3'
TGF- β -R2 3'-UTR mutant	5'-ttcttattcaagaaaaagaccaaggaataacattctgtagttcctaaaaatactgactttttcactactatacataaagggaagttttattctttt atggaacacttcagctgtactcatgtattaaaataggaatgtgaatgctatatactcttttatatacaaaagtctcaCAGAUCUattttattctatg cattgtttgtctttacataaataaaatgtttattagattgaataaagcaaaatactcaggtgagcatcctgcctcctgttccattcctagtagcta-3'
UTR, untranslated region; SNHG16, small nucleolar RNA host gene 16; TGF- β -R2, transforming growth factor- β receptor type 2.	