

Table S1 The primers and oligos used in the study

qRT-PCR primers	Forward primer (5' to 3')	Reverse primer (5' to 3')
circFBXW7	CCAGTAGTATTGTGGACCTGCCC	CCCTCTGACCCAGTAACTCCACT
FBXW7	CACTCAAAGTGTGGAATGCAGAGAC	GCATCTCGAGAACCGCTAACAA
miR-942-5p	ACACTCCAGCTGGGTCTTCTCTGTTTTGGC	CTCAACTGGTGTGCTGGAGTCGGCAATTCAGTTGAGCACATGGC
miR-887-3p	ACACTCCAGCTGGGGTGAACGGGCGCCATC	CTCAACTGGTGTGCTGGAGTCGGCAATTCAGTTGAGCCTCGGGA
miR-668-3p	ACACTCCAGCTGGGTGTCACTCGGCTCGGCC	CTCAACTGGTGTGCTGGAGTCGGCAATTCAGTTGAGGTAGTGGG
BARX2	TCACCTTTCCTTTTGTATCTTGTGC	GGGATCATGGTTAGTCACTCCTTT
GAPDH	CTGACTTCAACAGCGACACC	TGCTGTAGCCAAATTCGTTGT
U6	CTCGCTTCGGCAGCACA	AACGCTTACGAATTTGCGT

Table S2 The sequence of circFBXW7 (hsa_circ_0001451)

GATTACTTCCTTAGGATAGATTGCCAGAAGTGGAGTTACTGGGTGAGGGTATGAACTTATGAACTTTTTTTTTAAATA-
AATTTTTTTGTTCAATTTCTGTCCAGTCATTTGTAATAAATAATAATGATTATAATTGTTACCTGCTAGAAAAC-
GTGTCTGAAGGCAAGATTCTGTGATCAGAAAAGTTTGGGAAATACCCAGGGTAAAAGCCTTTAATCTGATTTACCT-
CAGCATTTCCCAAATTAACGAACACTGAAAATTTTTTTGATACACTTCTAAAATTTTGTGGAAGTTTTATATAGGA-
TATAGTCTATGAACTACTGATGTAATAAATAAATGTTTTATTTGCTTGAAATATTATGTTTTATTGGTCAAAGGAATTAAC-
TATAAATCTTCATGCTAAAATTTATAAAGGGATTAGTGTGTTTACTATGGTTTTTGTGCATGTCTTTATAAAGTCTTATA-
ACTTTTTAAAATTGAAATGTTCTATATTGTTTACTAAAGAACATTTAATGCCTTGGTGGCATCAACTTTTTTGCAATCAT-
TAATGATATTTAGAAAGTAGACATATAACATGAAAGTAGAACATAATATAGATTGTACAAATCTTGTTTTTACCCTATTTTC-
CCCTGCAGAATGTGAAAACCTTTCATCTTCTGATAGTCTAGCCAAGGTCCAAGAAGTAGCAAGCTGGCTTTTTGGAAAT-
GAATCAGGAAGTCTCTGTGGGCAGCAAAGACGACGAACTGGAGGCTCTCTGAGAGGTAACCCTTCCTCAAG-
CCAGGTAGATGAAGAACAGATGAATCGTGTGGTAGAGGAGGAACAGCAACAGCAACTCAGACAACAAGAGGAG-
GAGCACACTGCAAGGAATGGTGAAGTTGTTGGAGTAGAACCTAGACCTGGAGGCCAAAATGATTTCCAGCAAGGA-
CAGTTGGAAGAAAACAATAATAGATTTATTTCCGGTAGATGAGGACTCCTCAGGAAACCAAGAAGAACAAGAGGAAGAT-
GAAGAACATGCTGGTGAACAAGATGAGGAGGATGAGGAGGAGGAGATGGACCAGGAGAGTGACGATTTTGTGAT-
CAGTCTGATGATAGTAGCAGAGAAGATGAACATACACATACTAACAGTGTACGAACTCCAGTAGTATTGTGGACCTGC-
CCGTTACCAACTCTCCTCCCATTTCTATACAAAAACAACAAA

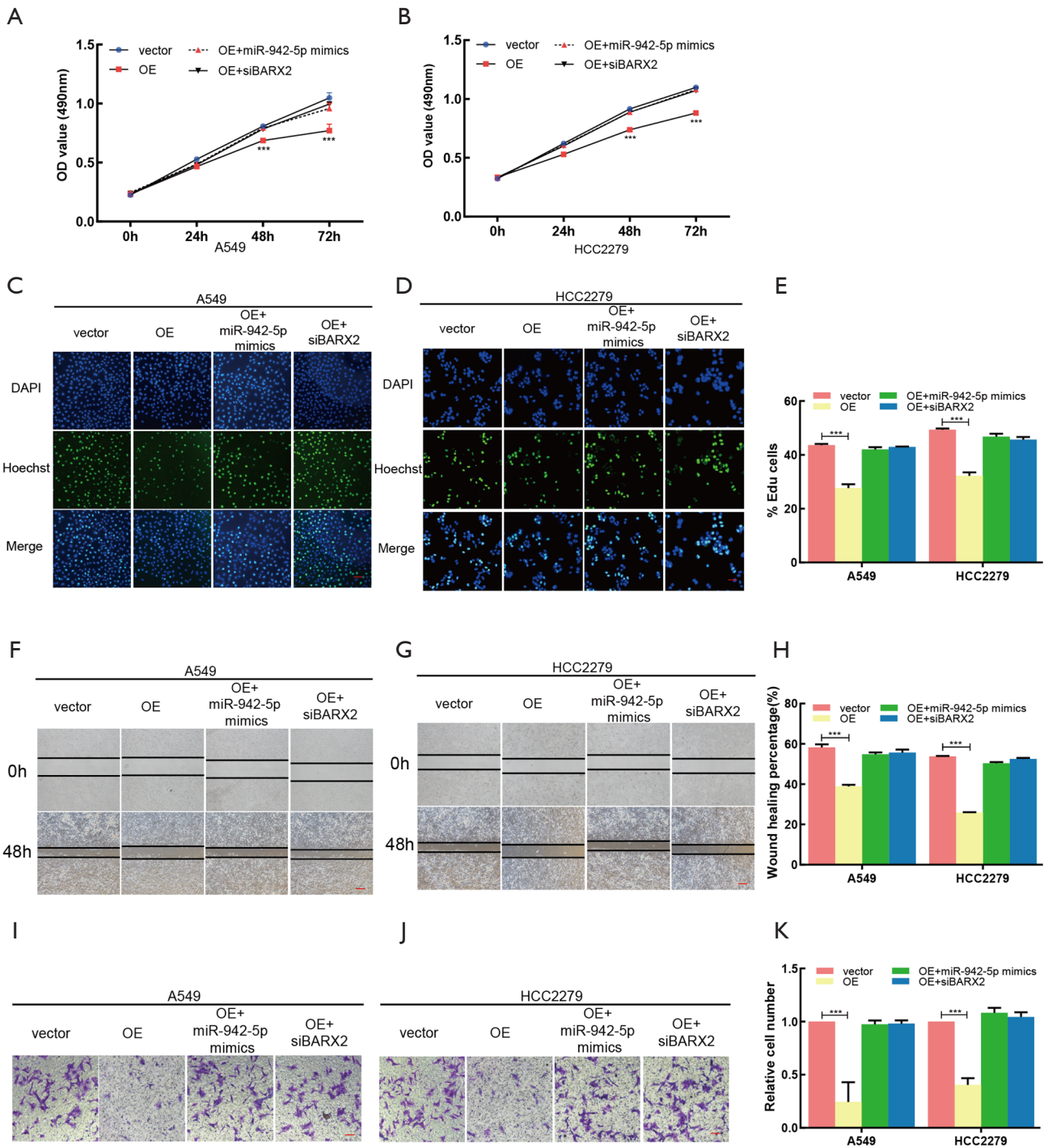


Figure S1 circFBXW7 and BARX2 acted as ceRNAs in the A549 and HCC2279 cell lines by regulating miR-942-5p. MTT assays in A549 and HCC2279 cell lines (A,B). EdU assays in A549 and HCC2279 cell lines (C,D,E); Hoechst-positive nuclei; blue, DAPI-stained nuclei; scale bars =50 μm. Wound-healing assays in A549 and HCC2279 cell lines (F,G,H); scale bars =100 μm. Transwell assays in A549 and HCC2279 cell lines (I,J,K); scale bars =50 μm. ***, P<0.001 versus vector.