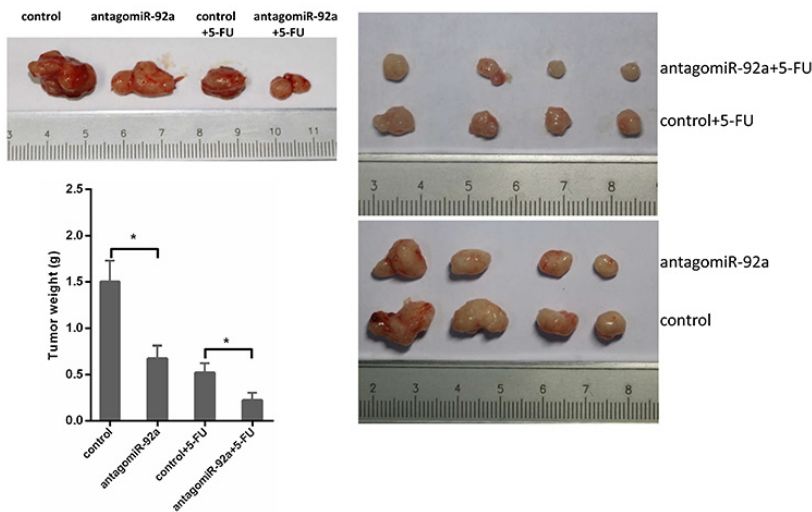
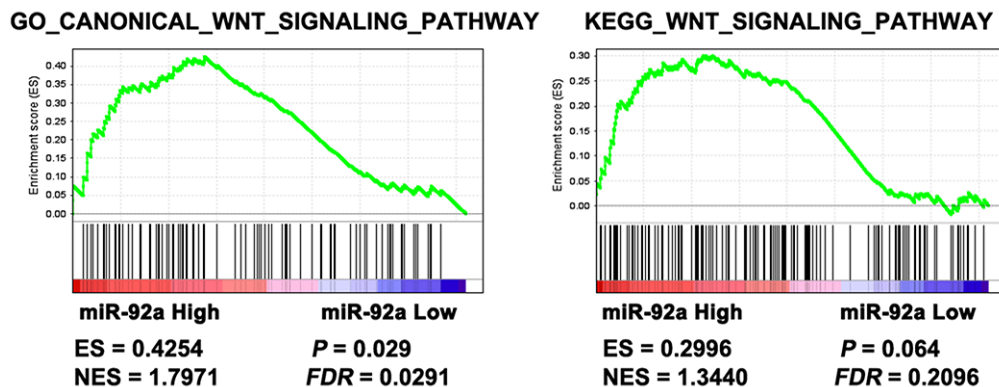


MiR-92a promotes stem cell-like properties by activating Wnt/ β -catenin signaling in colorectal cancer

SUPPLEMENTARY MATERIALS



Supplementary Figure 1: Subcutaneous tumor model was used to assess the effect of antagomiR-92a on the chemoresistance of HCT116 cells *in vivo*.



Supplementary Figure 2: GSEA plot showing that miR-92a expression was positively correlated with Wnt-activated gene signatures.

Supplementary Table 1: Primer sequences used for PCR amplification

Primers for real-time quantitative RT-PCR		
KLF4	5'-CGAACCCACACAGGTGAGAA-3'	5'-TACGGTAGTGCCTGGTCAGTTC-3'
DKK3	5'-TCACATCTGTGGGAGACGAA-3'	5'-CAGGTGTACTGGAAGCTGGC-3'
CD44	5'-GACAAGTTTTGGTGGCACG-3'	5'-CACGTGGAATACACCTGCAA-3'
MYC	5'-CACCGAGTCGTAGTCGAGGT-3'	5'-GCTGCTTAGACGCTGGATTT-3'
GSK3 β	5'-CCACTGTTGTCACCTTGCTG-3'	5'-GAGTGATCATGTCAGGGCG-3'
CCND1	5'-AGAGGCGGAGGAGAACAAC-3'	5'-GGCGGATTGGAATGAACTT-3'
MMP7	5'-GCATCTCCTTGAGTTTGGCT-3'	5'-GAGCTACAGTGGGAACAGGC-3'
GAPDH	5'-GACTCATGACCACAGTCCATGC-3'	5'-AGAGGCAGGGATGATGTTCTG-3'
Primer Sequences used for PCR amplification of plasmid construction		
STAT3	5'-GCTAAGCTTTATGGCCCAATGGAATCA GCTACAG-3'(HindIII)	5'-GCTCTCGAGTCATGGGGGAGGTAGCG CACTCCG-3'(XhoI)
Primers for luciferase plasmids construction		
miR-92a-pGL3	5'-CACAACTCGAGAGGAAGTATGAGCGA AACCCT-3' (XhoI)	5'-CAAAAGCTTCGCTTTACTACGACCGG AGG-3' (HindIII)
Primers for gene 3'UTR luciferase plasmid construction		
KLF4 wt	5'-CACAACTCGAGCCCAGCCAGAAAGCA CTACA-3' (XhoI)	5'-AAGGAAAAAAGCGGCCGCTCTGCTTA AGGCATACTTGGGA-3' (NotI)
KLF4 mut	5'-TGCATTTCCCTACTTGGTCTGGCTTTAA GAATGTCCTTTGG-3' (XhoI)	5'-AAGTTCCCTTTTGCAATAGTAATCCAA ACCAAAAAGCTCTGAGC-3' (NotI)
DKK3 wt	5'-CACAACTCGAGATCTGGACCAGGCTGT GGG-3' (XhoI)	5'-CACAAACAAGCGGCCGCGATGTTTG CAAAGCAGGGCA-3' (NotI)
DKK3 mut	5'-CACAACTCGAGATCTGGACCAGGCTGT CCCTAGATCACGTTAAGAAATAGCTAATT TA-3' (XhoI)	5'-CACAAACAAGCGGCCGCGATGTTTG CAAAGCAGGGCA-3' (NotI)
GSK3 β wt	5'-CACAACTCGAGAACAGCAGATTCTGG GAGCC-3' (XhoI)	5'-CACAAACAAGCGGCCGCGATGATCC ATCGGCAACACA-3' (NotI)
GSK3 β mut	5'-GCTATTACGTTATACTAGCAGTTACTG CACGGAG-3' (XhoI)	5'-CTAGTATAACGTGAATAGCATTTTAGA CCTACTGAC-3' (NotI)
Primers for ChIP assay promoter-specific PCR		
miR-92a	5'-TGTACAATCACGAACCAGTGA-3'	5'-AGCATAGCTCGGAAAGAACCTC-3'