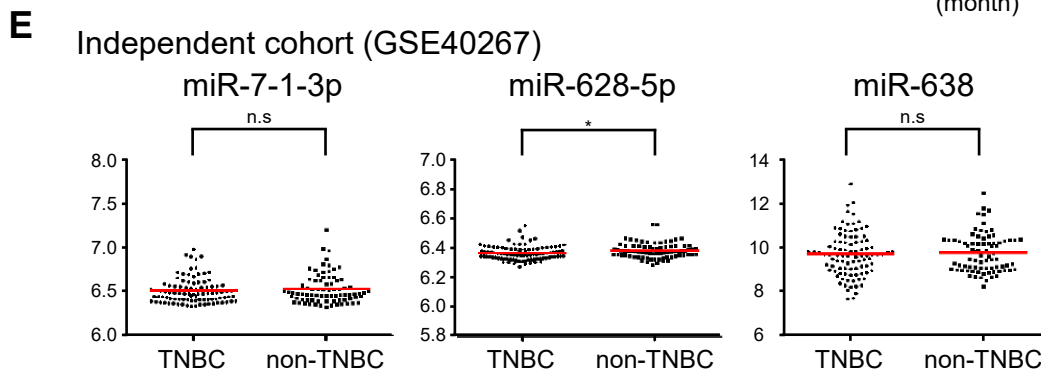
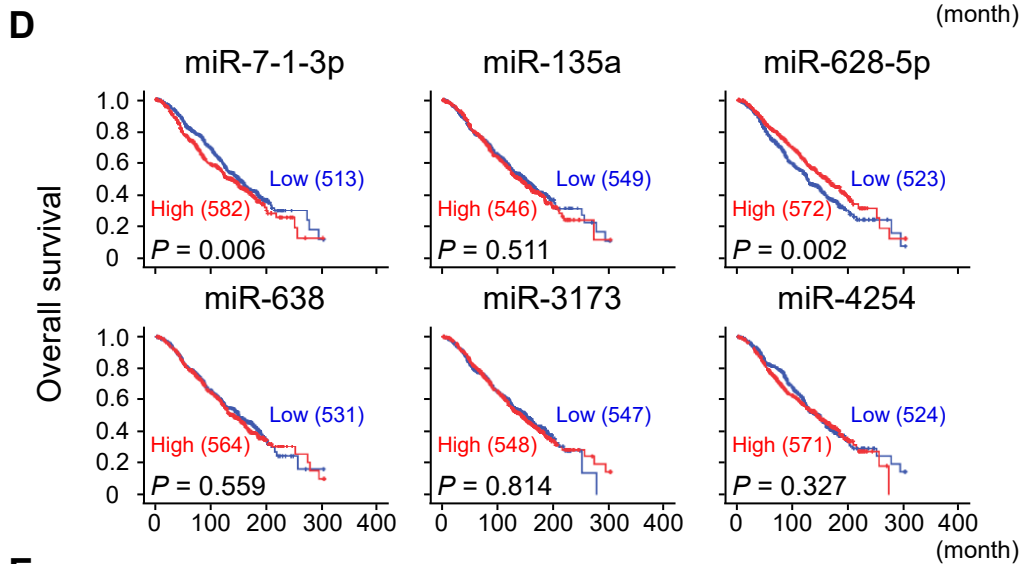
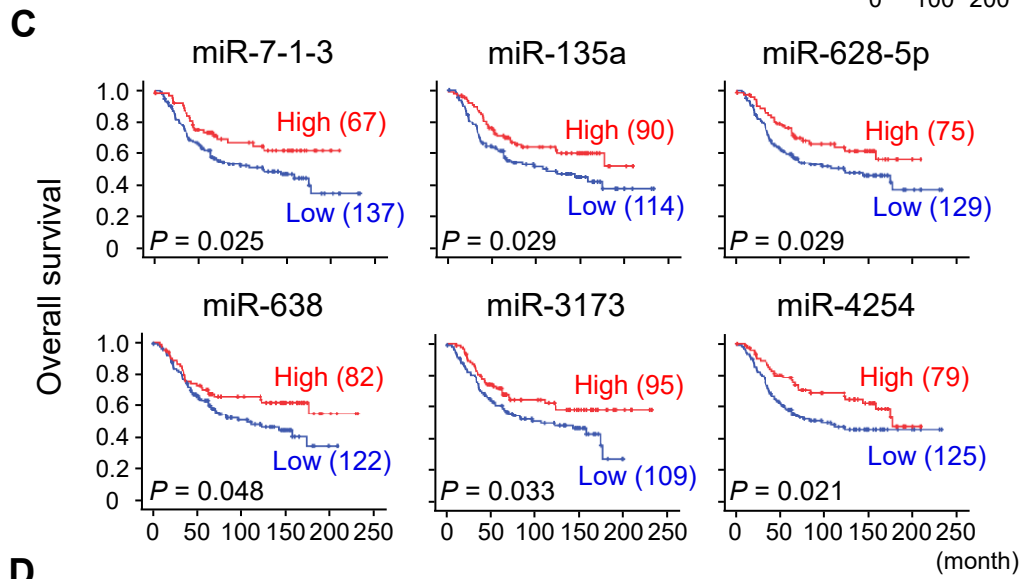
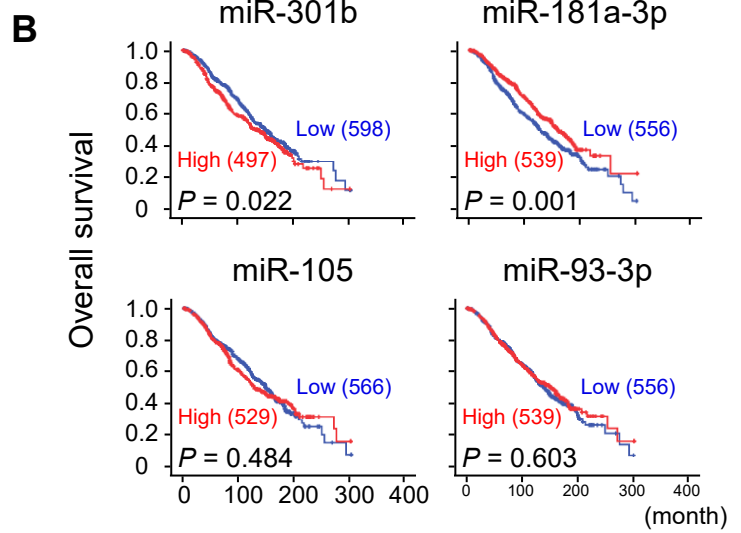
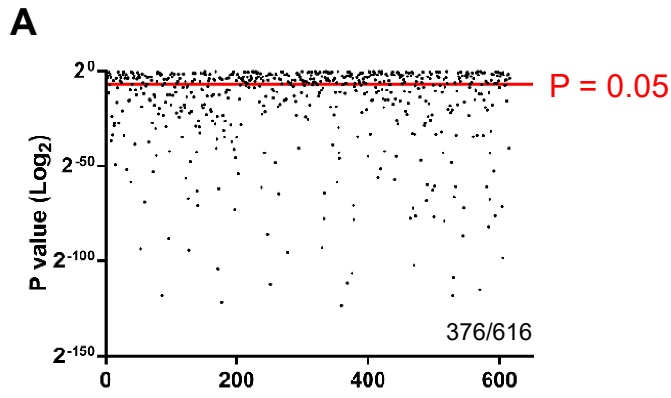
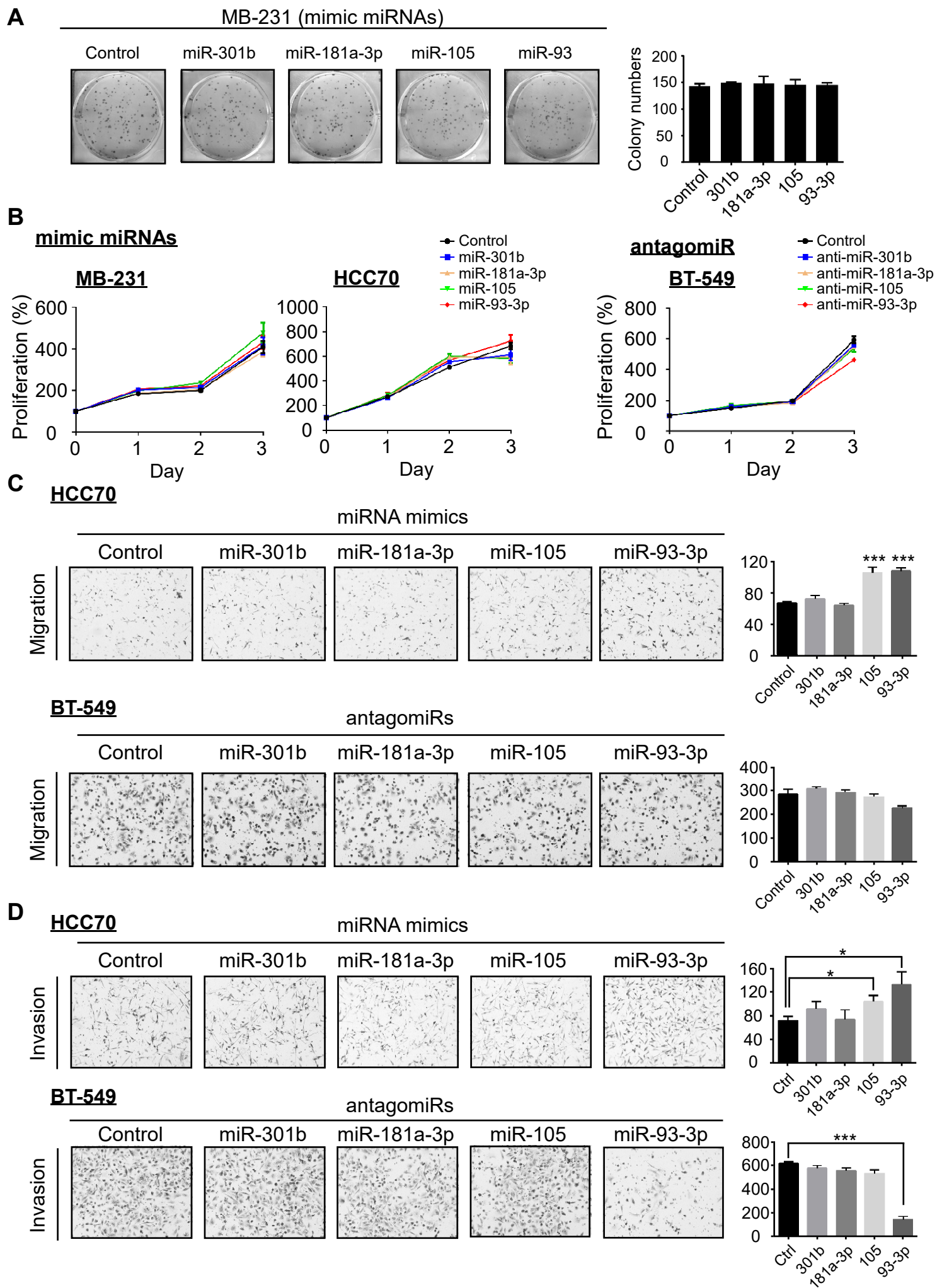


Supplementary Figure 1

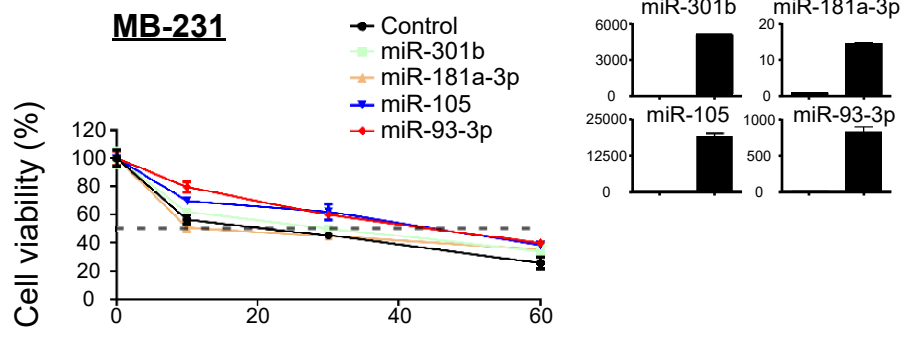


Supplementary Figure 2

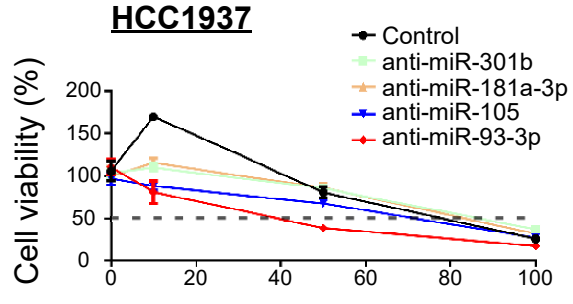


Supplementary Figure 3

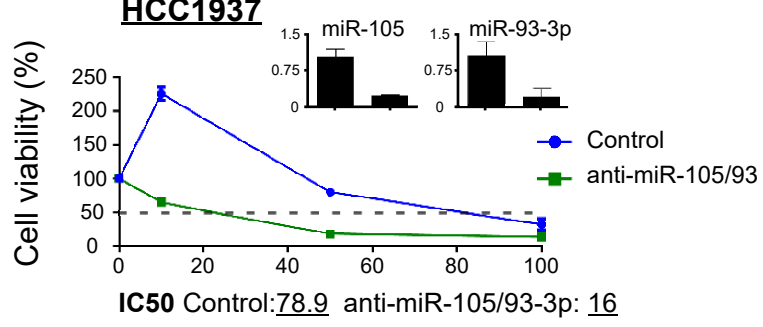
A



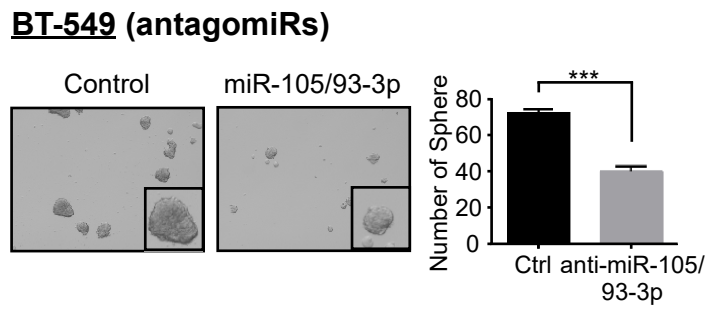
B



C

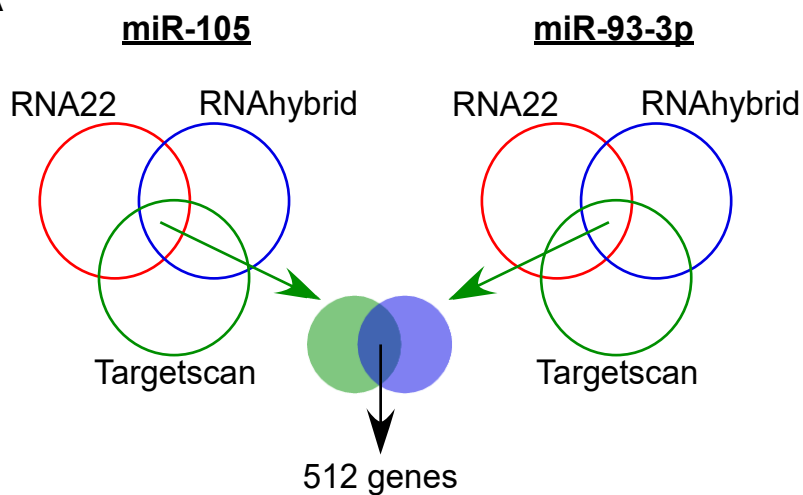


D



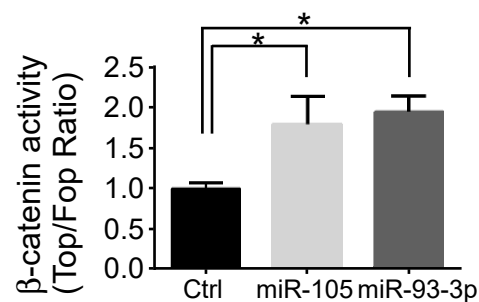
Supplementary Figure 4

A



C

MB-231



B

miR-105

Top Canonical Pathways

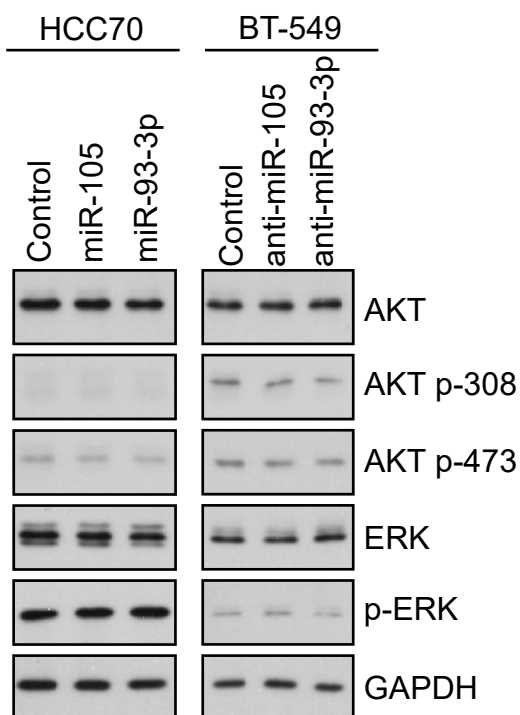
Name	p-value	Overlap
Bladder Cancer Signaling	4.83E-04	4.6 % 4/87
Colorectal Cancer Metastasis Signaling	5.19E-04	2.5 % 6/241
Wnt/-catenin Signaling	7.32E-04	2.9 % 5/170
Xenobiotic Metabolism Signaling	1.01E-03	2.2 % 6/274
Thyroid Hormone Metabolism II (via Conjugation and/or Degradation)	1.66E-03	5.4 % 3/56

miR-93-3p

Top Canonical Pathways

Name	p-value	Overlap
Wnt/-catenin Signaling	6.96E-04	2.9 % 5/170
Cell Cycle Control of Chromosomal Replication	5.52E-03	7.4 % 2/27
Agranulocyte Adhesion and Diapedesis	7.94E-03	2.1 % 4/190
Leukocyte Extravasation Signaling	1.01E-02	2.0 % 4/204
Protein Ubiquitination Pathway	2.24E-02	1.5 % 4/259

D



Supplementary Figure 5

A

Predicted miRNA target genes in Wnt signaling pathway	
FZD3	SFRP1
LRP6	SMAD2
NFATC3	SMAD3
PRKCA	
PRKX	
PRICKLE2	

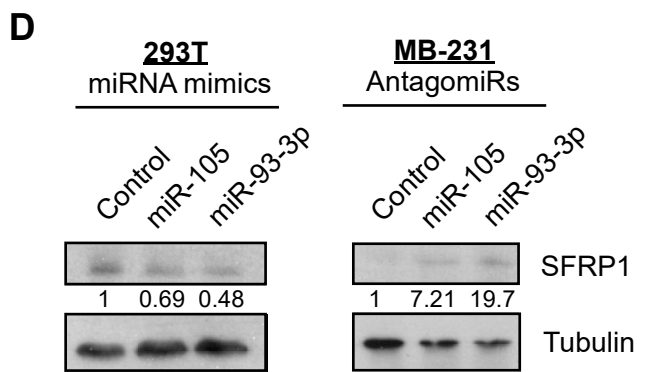
B

miR-105		miR-93-3p	
Symbol	Expected	Symbol	Expected
CDH1		CDH3	
CDH3		MMP7	Up
FZD8	Up	SFRP1	Down
SFRP1	Down	SOX10	Down
WIF1	Down	UBD	

C

miR-105 free energy= -27.2 kcal/mol
 Position 974
 SFRP1 5' C CCAC UUUUUUUCA AGG UUUUAAAAC UAGAU UGAGCAUUUGA A 3'
 GGUG UCC UCAG UCAG ACUCGUAAACU 5'
 miRNA 3' U

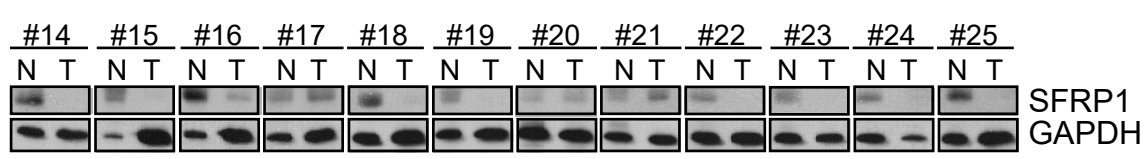
miR-93-3p free energy= -28.5 kcal/mol
 Position 323
 SFRP1 5' G UUGGGCGGAA AG C 3'
 GGGG AGUG AGC CAGCAG
 CCCU UCAC UCG GUCGUC
 miRNA 3' G GA A A 5'



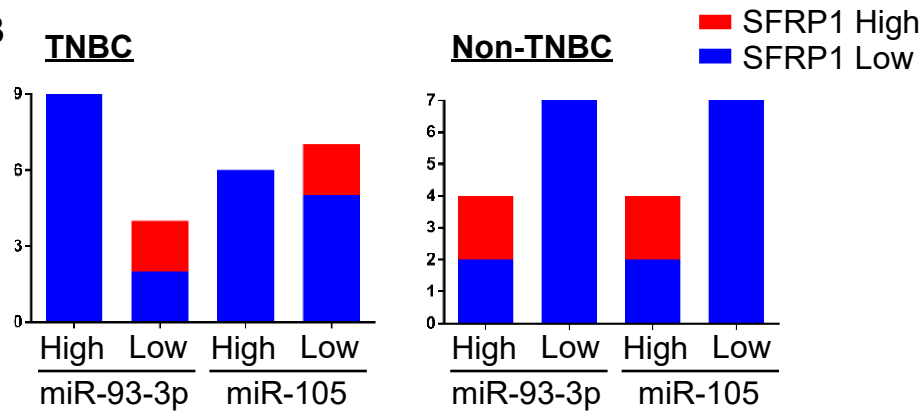
Supplementary Figure 6

A

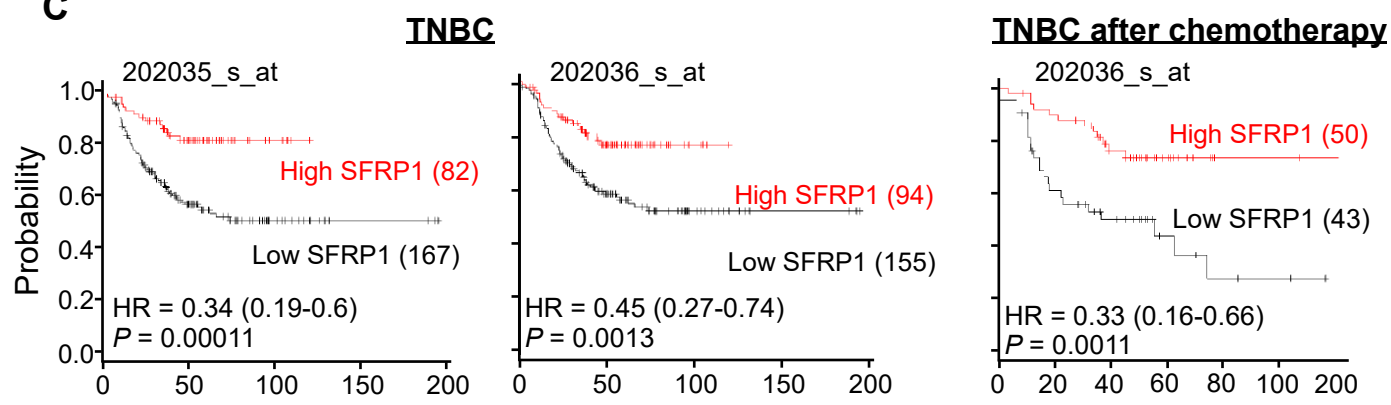
Non-TNBC



B



C



D

TNBC

