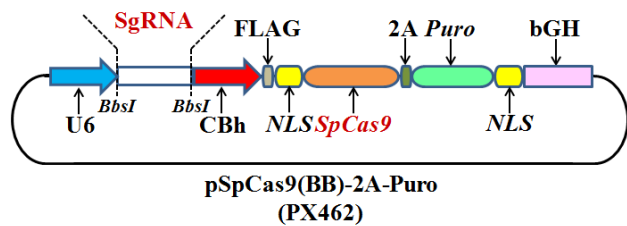
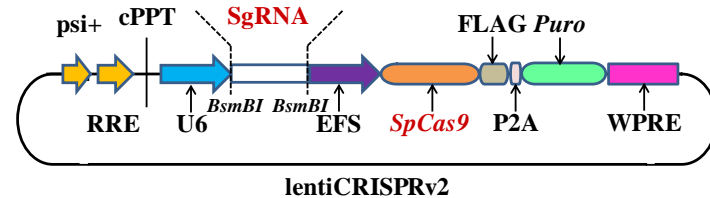


Figure S1

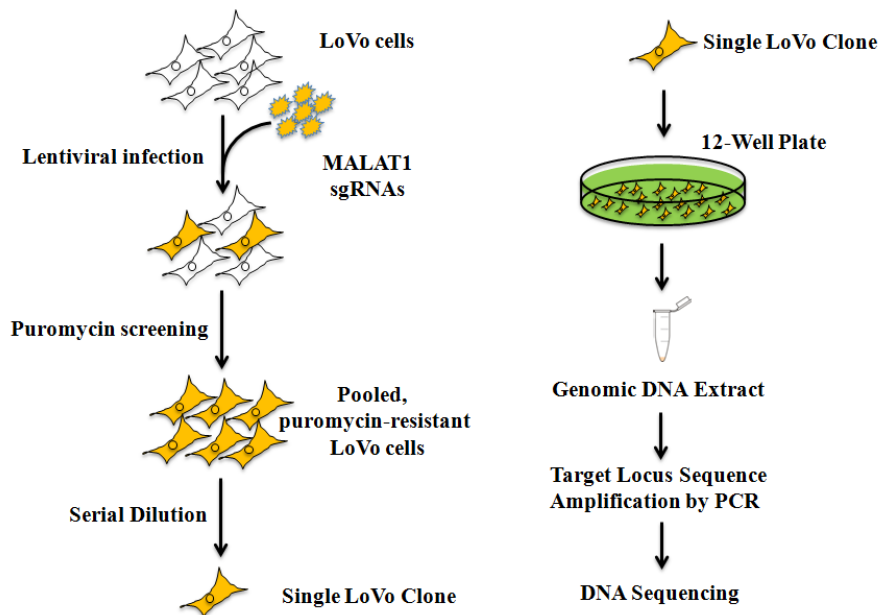
a



b



c



d

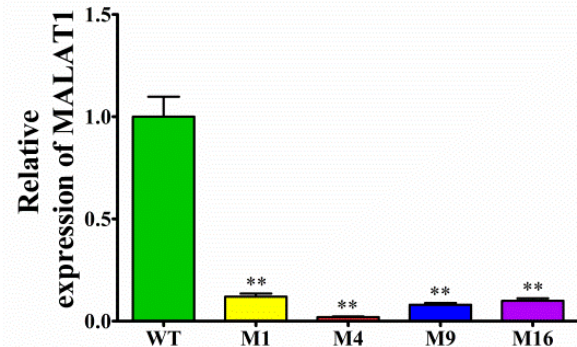


Figure S2

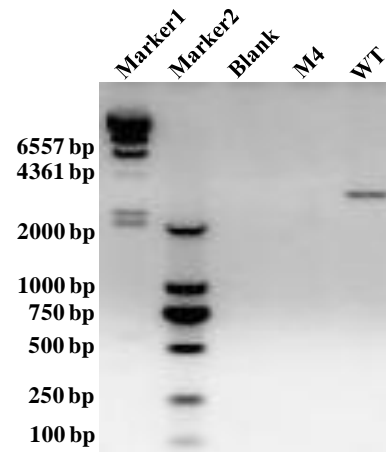
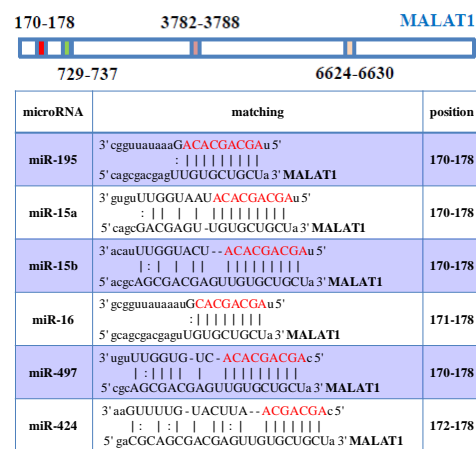


Figure S3

a

b

microRNA	matching	position
miR-195	3' cgguuuaaaGACACGACGAu 5' : 5' agcagacagCCGUGUCGUc 3' MALAT1	730-737
miR-15a	3' guUUUGGUAUACACGACGAu 5' : 5' agCAGA- CAGCCGUGUCGUc 3' MALAT1	730-737
miR-15b	3' acuuUUGGUACUACACGACGAu 5' : 5' aagCAGACGCCGUGUCGUc 3' MALAT1	730-737
miR-16	3' gcgguuuaaaGACACGACGAu 5' : 5' aagcagacagCCGUGUCGUc 3' MALAT1	729-737
miR-497	3' ugUUUG- GUGUC- ACACGACGAe 5' : 5' ccAAGCAGACGCCGUGUCGUc 3' MALAT1	730-737
miR-424	3' aaguUUUGUACUUAACGACGAe 5' : 5' aagCAGACGCCGUGUCGUc 3' MALAT1	731-737

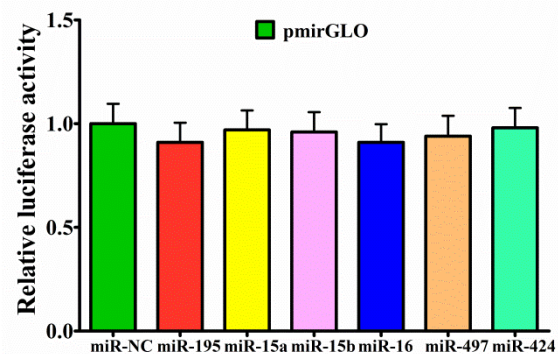
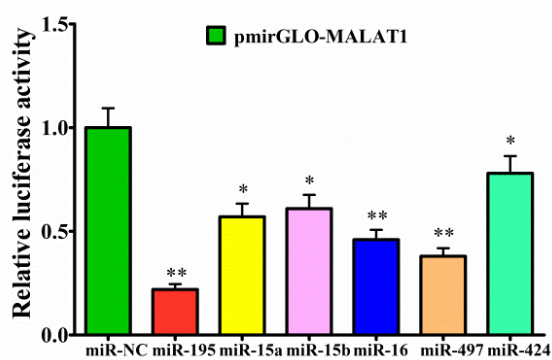
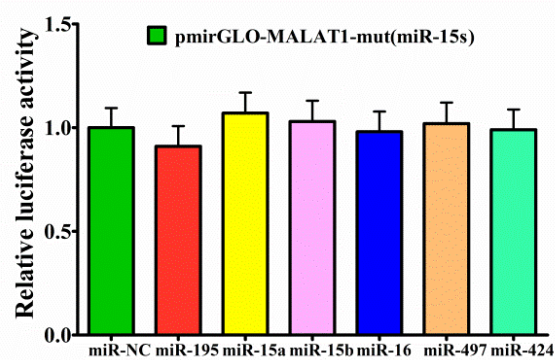
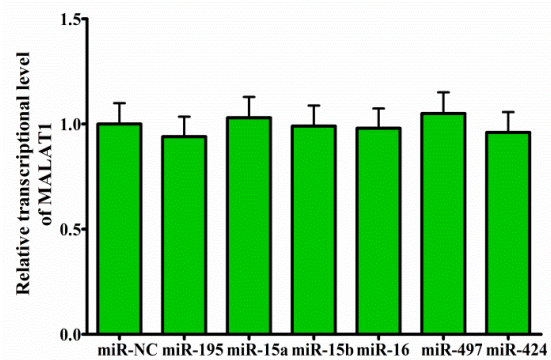
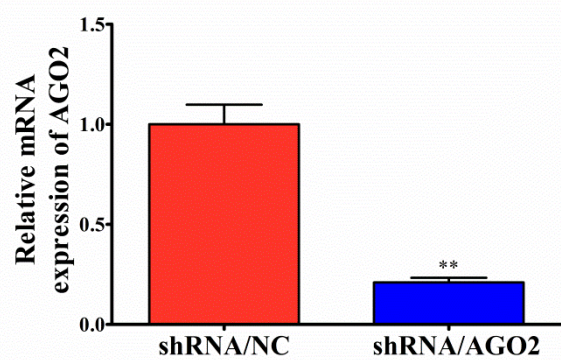
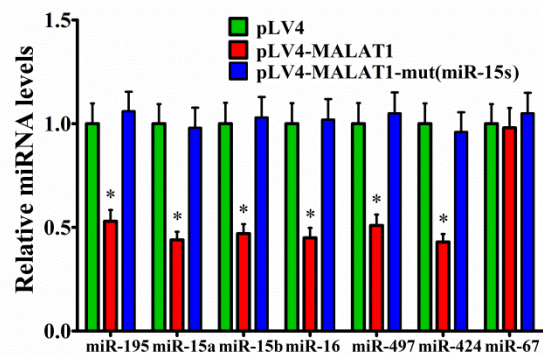
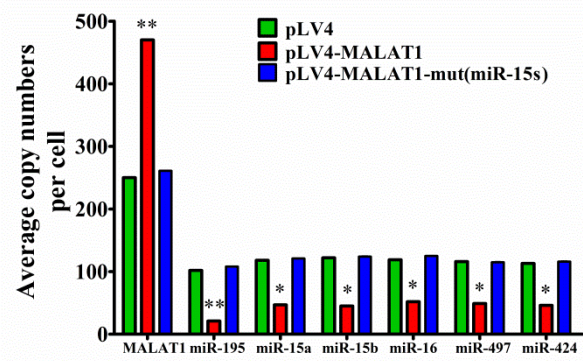
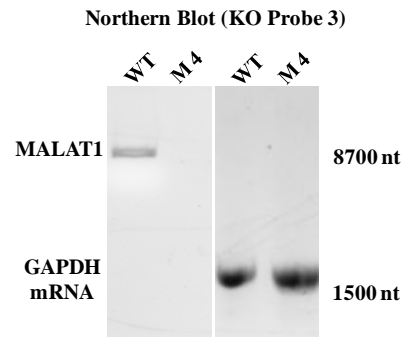
c

d

e

f

g

h

i


Figure S4

a



b

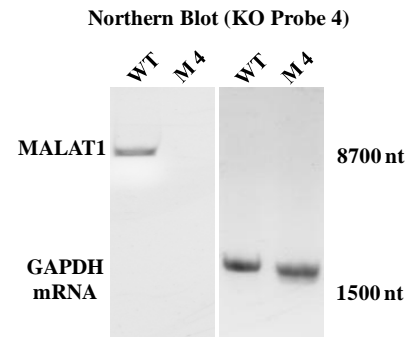


Figure S5

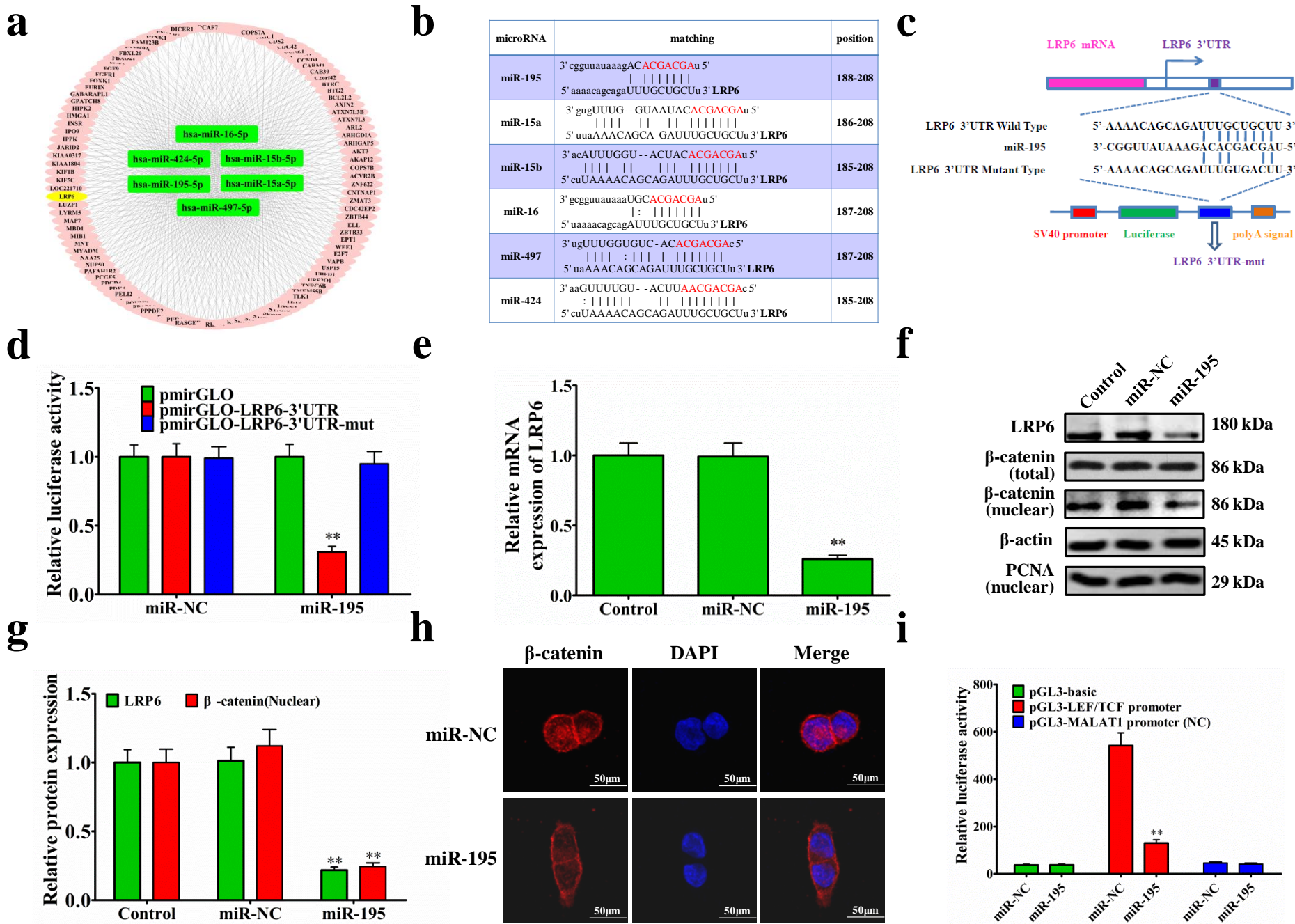


Figure S6

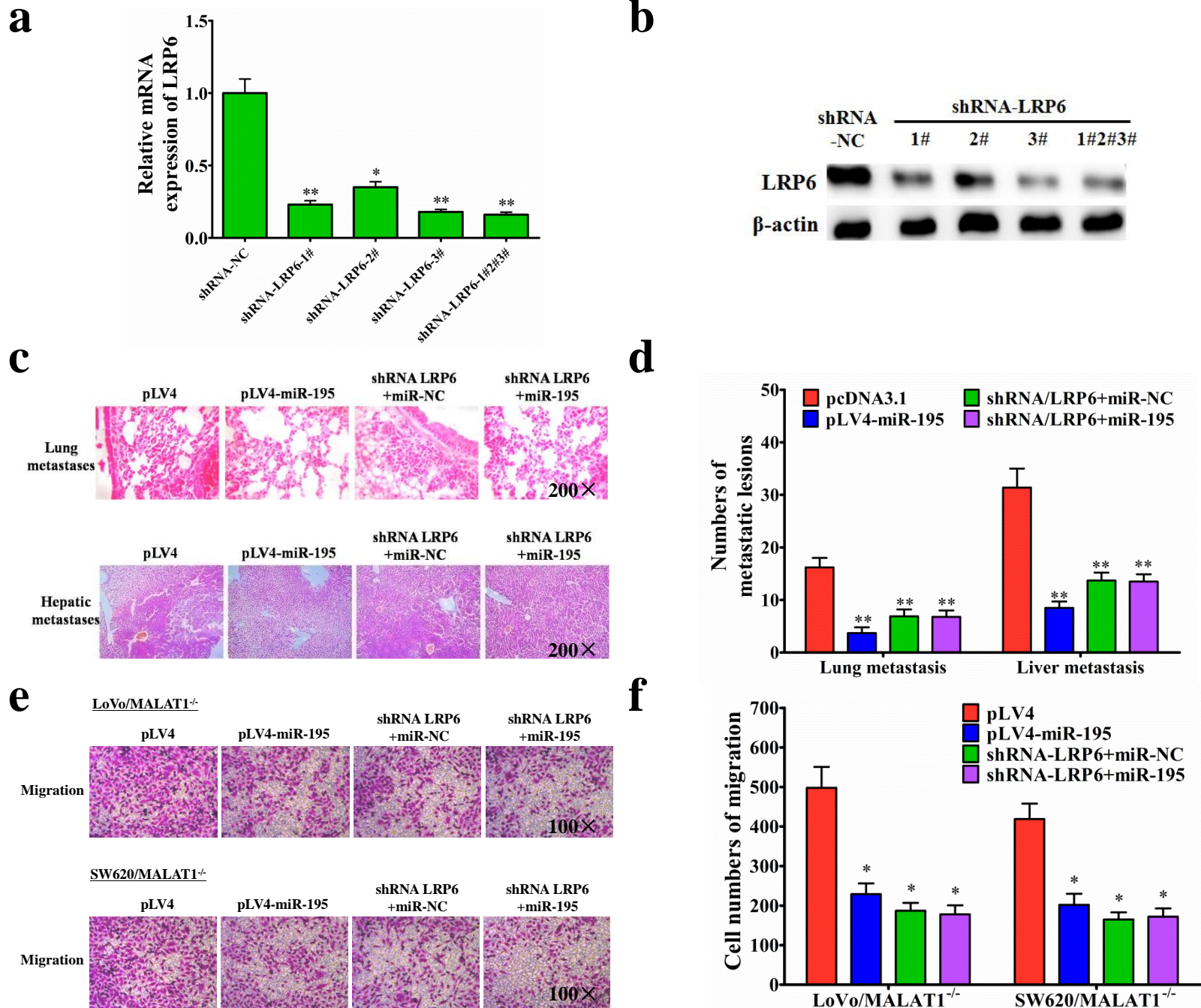
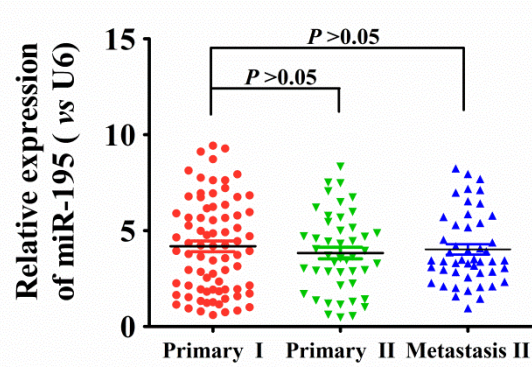
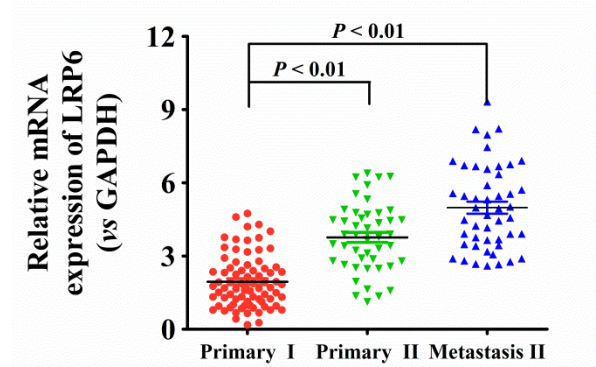


Figure S7

a



b



c

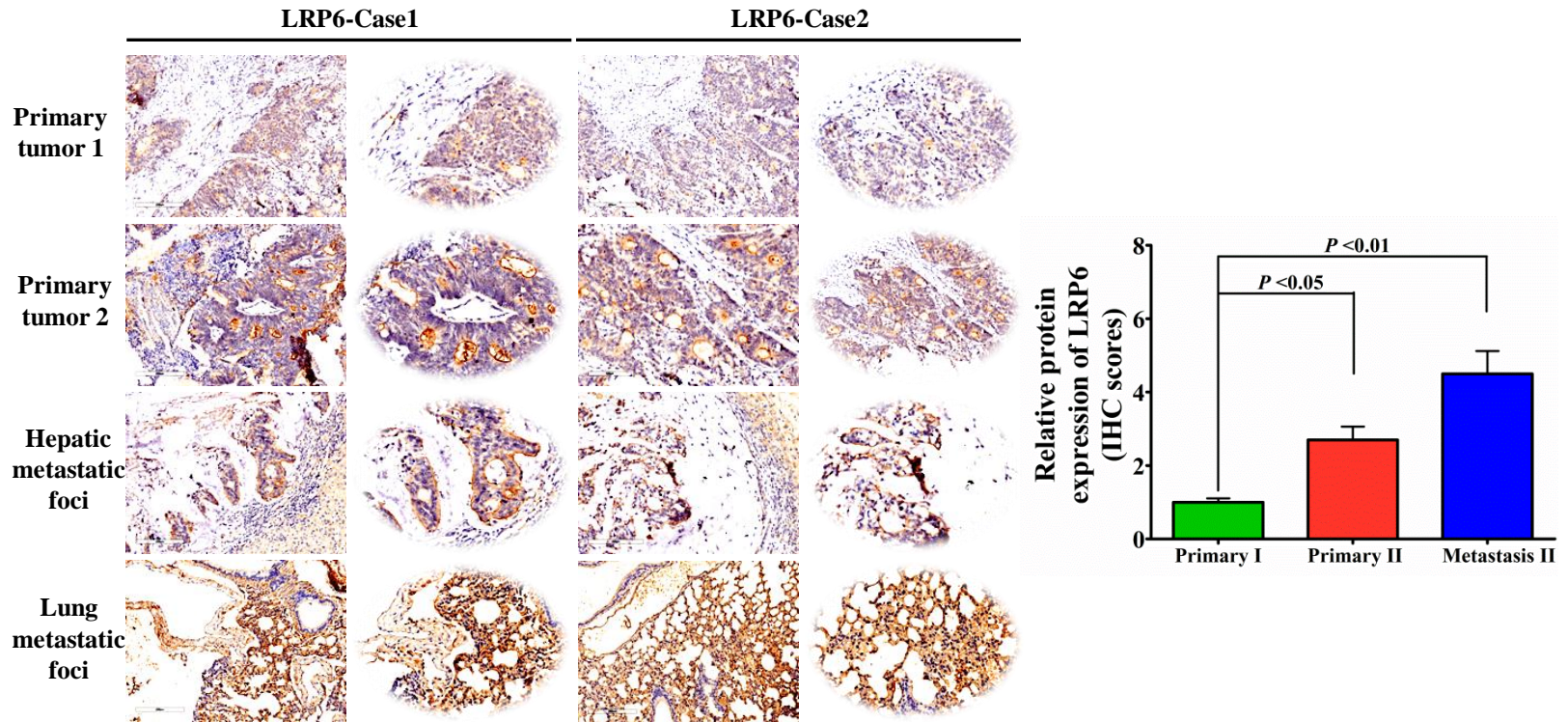
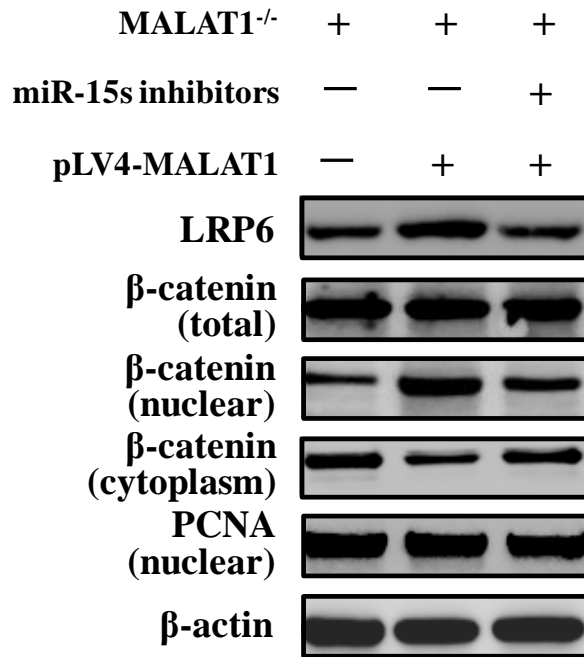


Figure S8

a



b

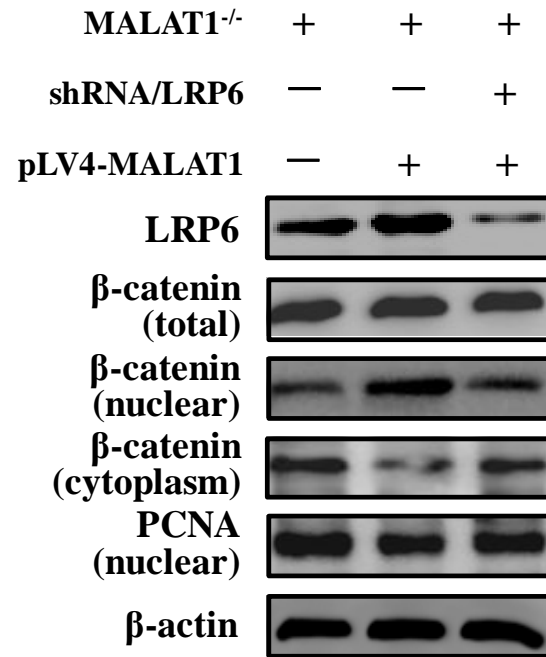
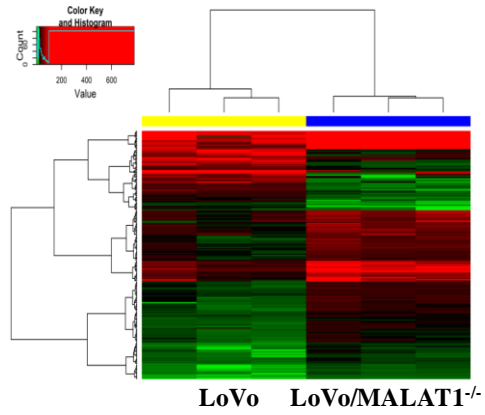
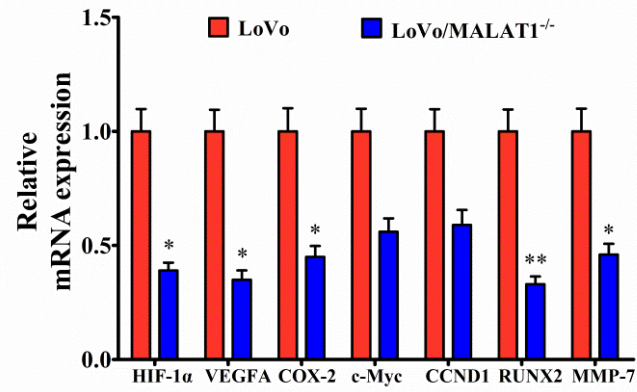


Figure S9

a



b



c

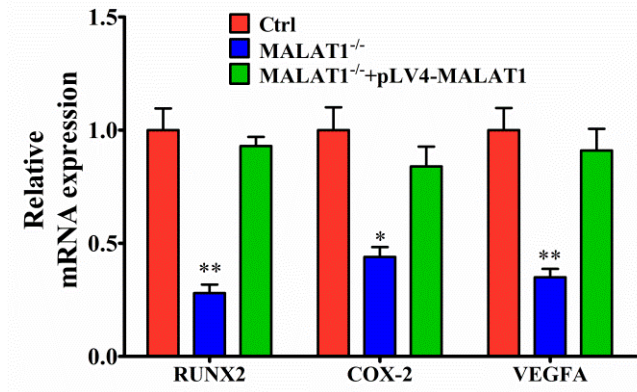
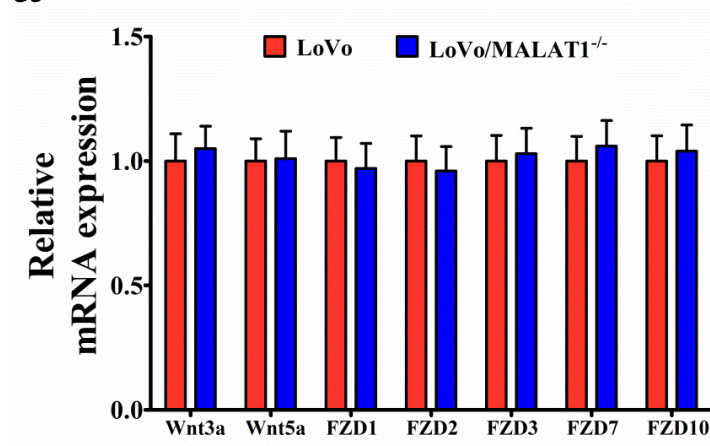


Figure S10

a



b

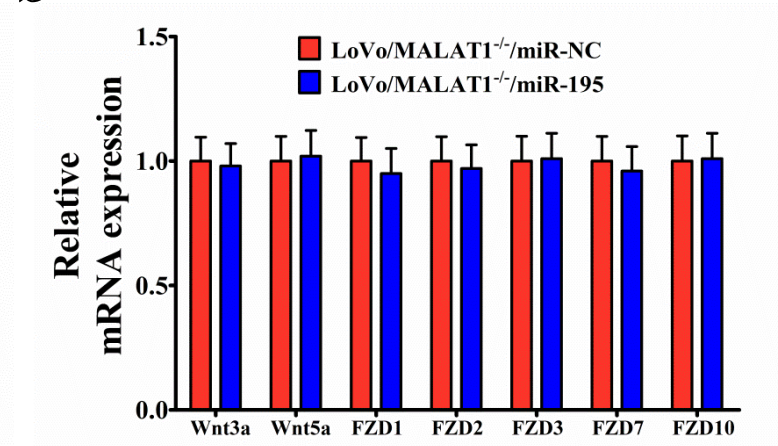
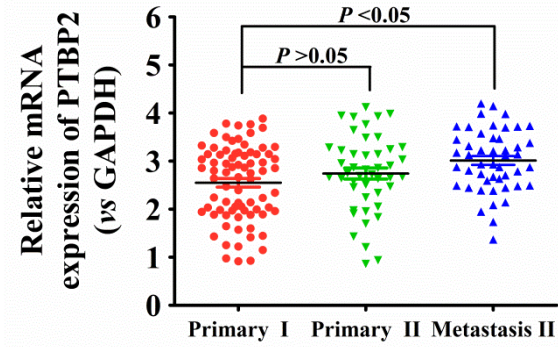


Figure S11

a



b

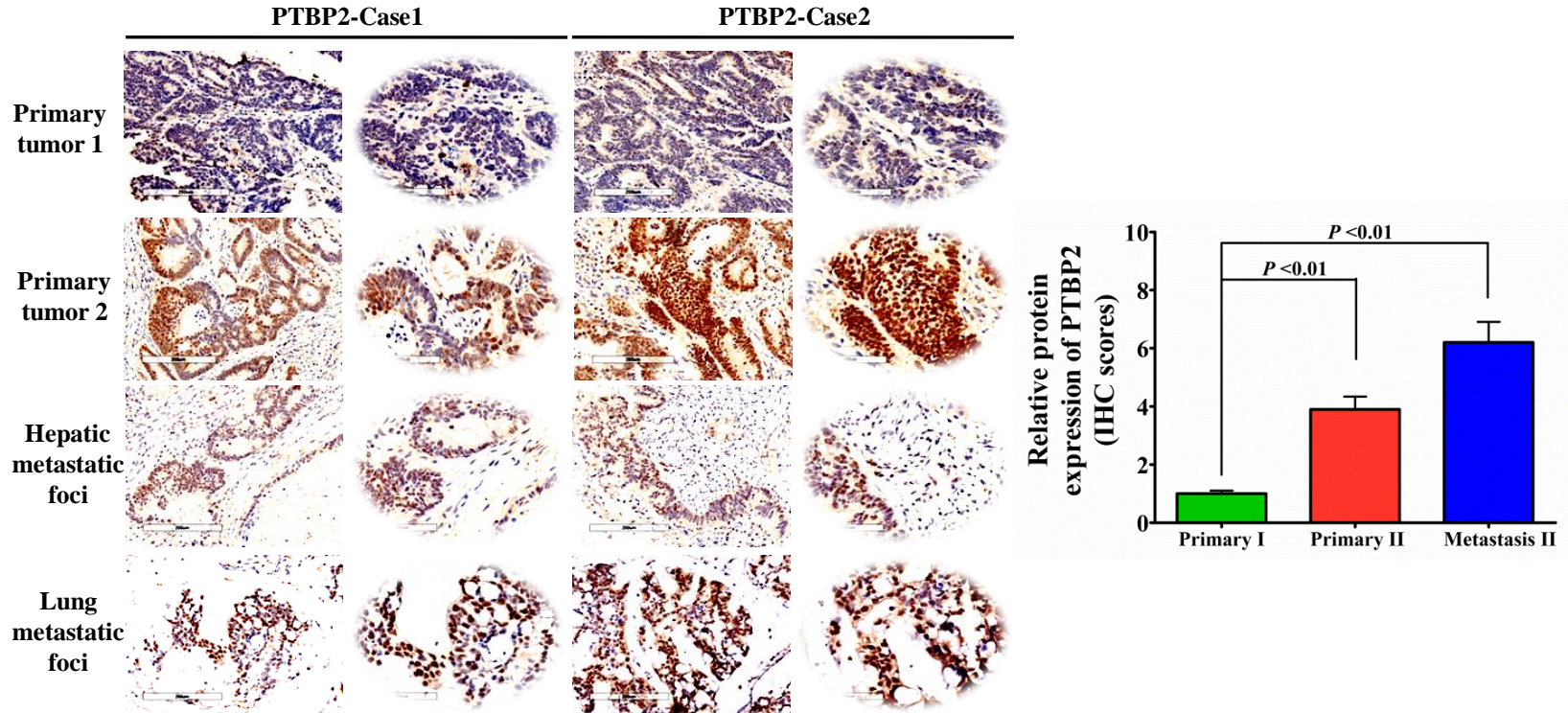
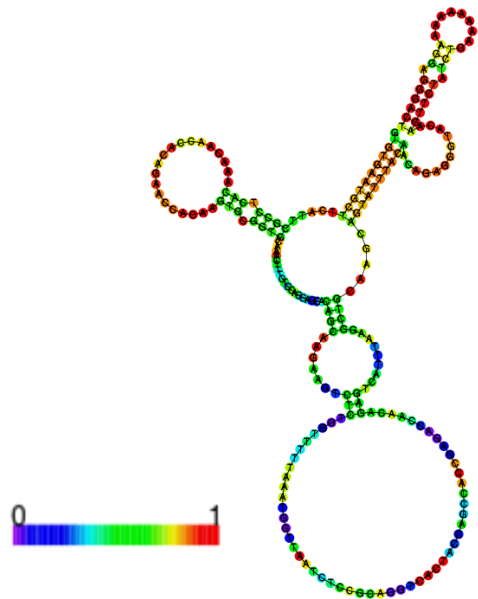
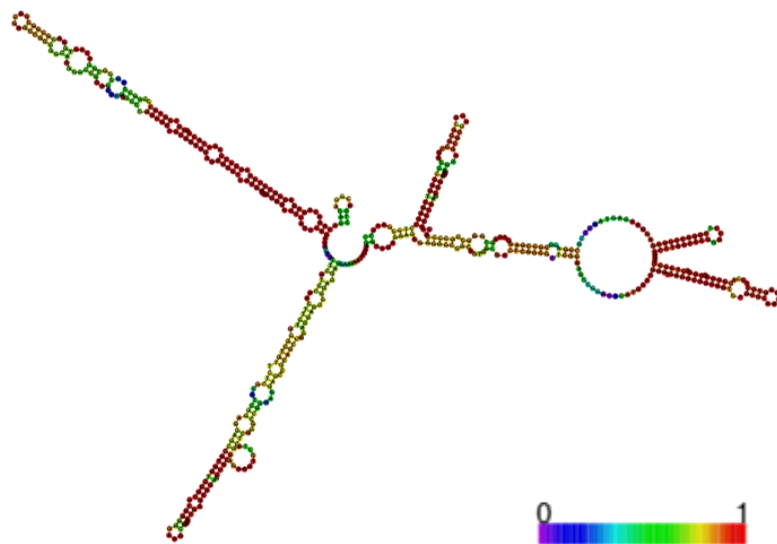


Figure S12

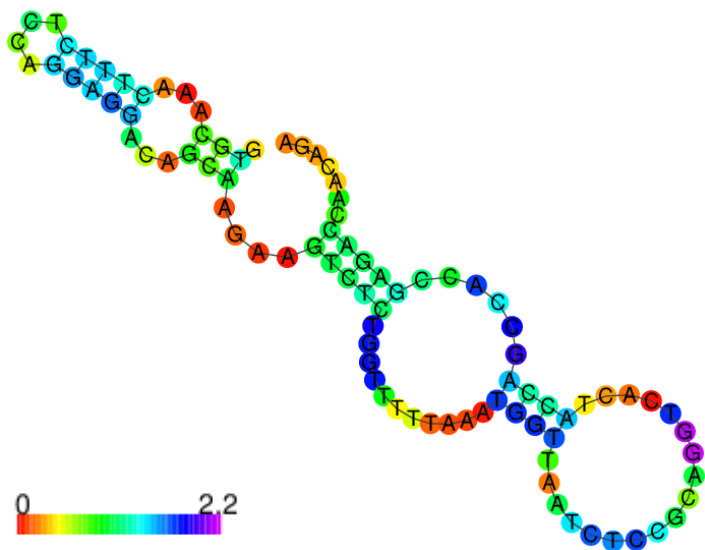
a Secondary structure of RUNX2 5'UTR



b Secondary structure of VEGFA 5'UTR



c Secondary structure of RUNX2 5'UTR-PPT domain



d Secondary structure of VEGFA 5'UTR-PPT domain

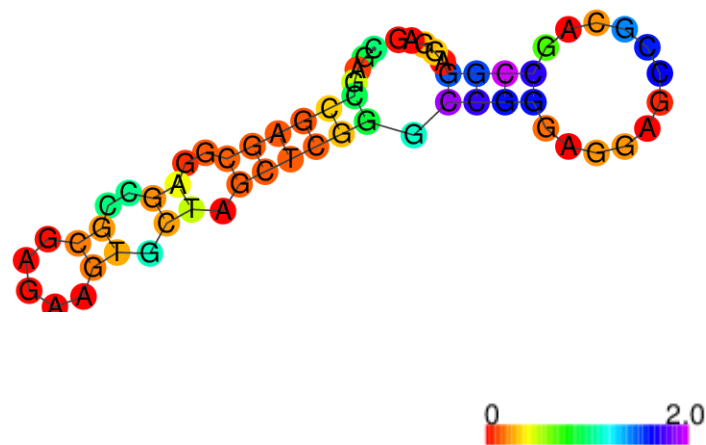
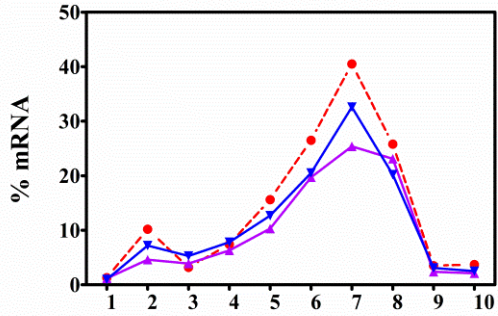


Figure S13

A

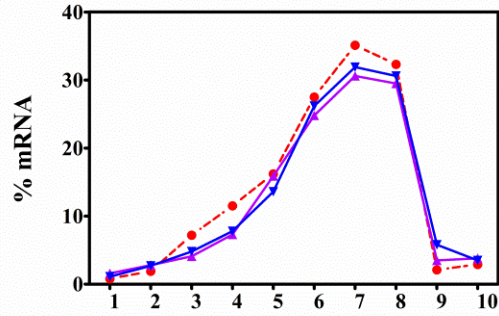
% VEGFA mRNA



● Ctrl ▲ MALAT1^{-/-} ■ MALAT1^{-/-}+pLV4-MALAT1

B

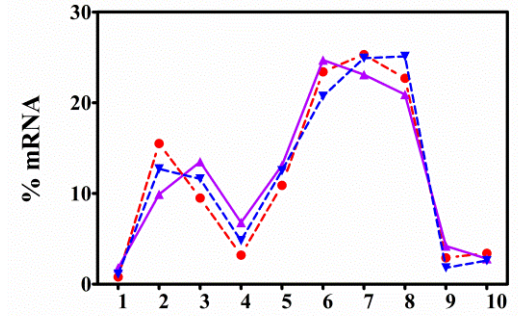
% COX-2 mRNA



● Ctrl ▲ MALAT1^{-/-} ■ MALAT1^{-/-}+pLV4-MALAT1

C

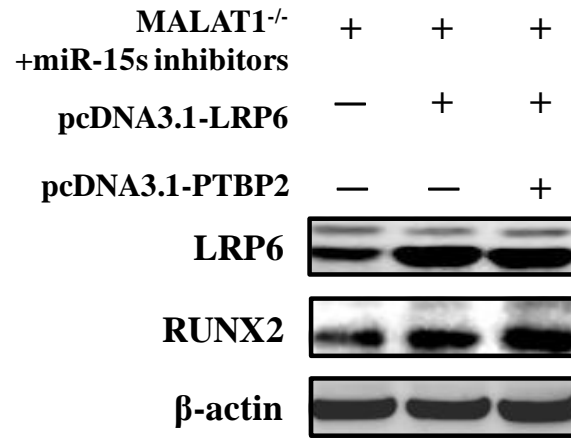
% GAPDH mRNA



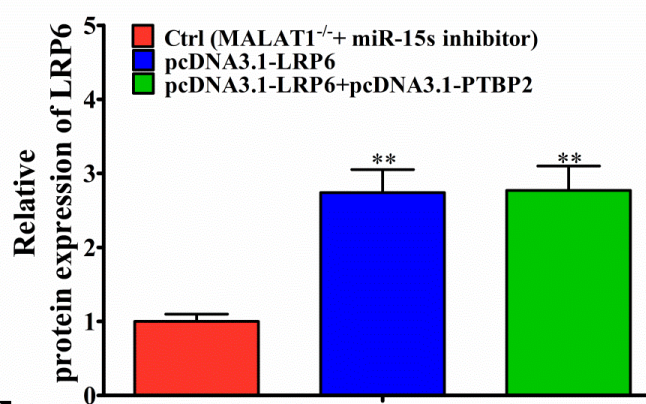
● Ctrl ▲ MALAT1^{-/-} ■ MALAT1^{-/-}+pLV4-MALAT1

Figure S14

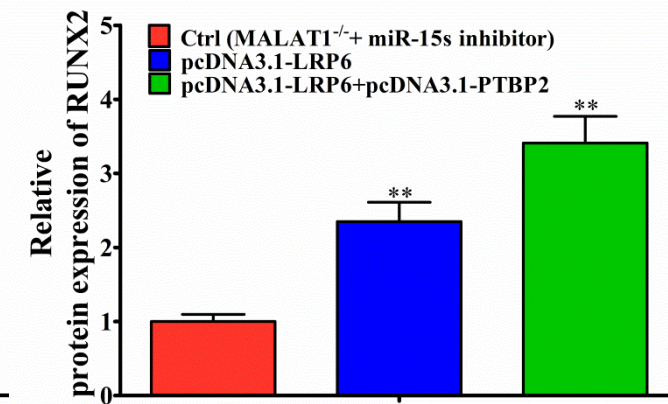
a



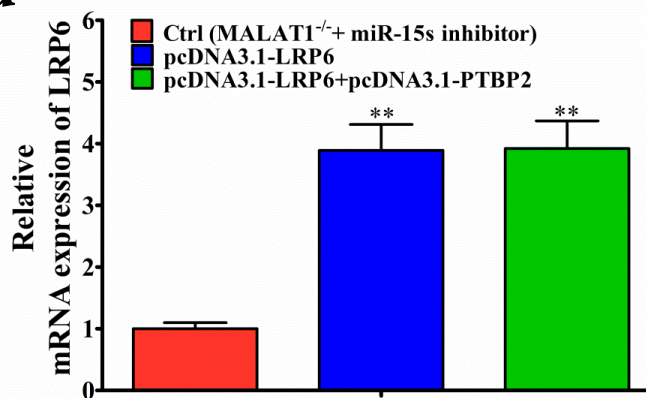
b



c



d



e

