Supplementary figure legends.

Supplementary Figure 1. Interference efficiency of different siRNAs on β -catenin expression in MA-891 cells. A. The expression levels of β -catenin were detected by real-time PCR in MA-891 cells treated with different siRNAs. B. Expression of β -catenin in MA-891 cells with different treatments as determined by Western blot analysis. The expression levels of β -catenin in MA-891 cells were determined by the gray values. C. Expression of β -catenin in MA-891 cells with different treatments as the lowest in MA-891 cells treated with siRNA β -catenin.

Supplementary Figure 2. The gross pictures of TA2 mice with xenografts and the metastatic sites of liver and lung among negative control, siRNA control and siRNA β -catenin-1512 group. A. The gross pictures of TA2 mice with xenografts in different groups. B. The gross pictures of hepatic metastasis in different groups. C. The gross pictures of lung metastasis in different groups.

Supplementary Figure 1.



siRNA β -catenin-777 siRNA β -catenin-1512 siRNA β -catenin-2254

Supplementary Figure 2.



n	Days from	Times of	Sites of tumor	Size of tumor(cm ³)	Type of tumor	Metastasis
	birth to tumor	pregnancy				
	initiation					
1	243	6	the second mammary gland of the right	1.5×1.5×1	Intraductal carcinoma	No
			forward limb			
2	291	7	the first and the fourth mammary gland of	1×1×1 and 1.8×2×1.2	Invasive ductal carcinoma	Lung metastasis
			the right forward limb			
3	399	5	the second mammary gland of the left	$1.8 \times 1.5 \times 1.5$ and	Invasive ductal carcinoma	Lung metastasis
			forward limb and the fourth of the left back	0.5×0.5×0.5		
			limb			
4	255	2	the second mammary gland of the left	1.4×1.3×1	Invasive ductal carcinoma	Lung and liver
			forward limb			metastasis
5	422	4	the second mammary gland of the left	1.2×1×1 and 3×2.5×2	Invasive ductal carcinoma	Liver metastasis
	forward limb and		forward limb and the fourth of the right			
			back limb			
6	248	4	the first mammary gland of the left forward	$3 \times 2.5 \times 1$ and	Invasive ductal carcinoma	Lung metastasis
			limb and the fourth of the right back limb	1.5×1×0.8		
7	245	3	the second mammary gland of the left	2×1.5×1	Invasive ductal carcinoma	No
			forward limb			
8	254	2	the first mammary gland of the right	3×2.5×2	Invasive ductal carcinoma	Liver metastasis
			forward limb			
9	212	4	the second mammary gland of the left	3×2×2	Invasive ductal carcinoma	Lung metastasis
			forward limb			

Supplementary	v table-1. Detail	l information c	of TA2 mic	e with SBC.

different siRNAs	oligonucleotides sequences
β-catenin-459 (sense)	5'- CACCUCCCAAGUCCUUUAUTT -3'
β-catenin-459(antisense)	5'- AUAAAGGACUUGGGAGGUGTT -3'
β-catenin-777(sense)	5'- CCAGGUGGUAGUUAAUAAATT-3'
β-catenin-777(antisense)	5'- UUUAUUAACUACCACCUGGTT-3'
β-catenin-1512(sense)	5'- GGGUUCCGAUGAUAUAAAUTT -3'
β-catenin-1512(antisense)	5'- AUUUAUAUCAUCGGAACCCTT -3'
β -catenin-2254(sense)	5'- GCUGUCCUAUUCCGAAUGUTT -3'
β -catenin-2254(antisense)	5'- ACAUUCGGAAUAGGACAGCTT -3'
Negative control (sense)	5'- UUCUCCGAACGUGUCACGUTT -3'
Negative control (antisense)	5'- ACGUGACACGUUCGGAGAATT -3'

Supplementary table-2. Oligonucleotides sequences of different β -catenin siRNAs.