

Supplementary material

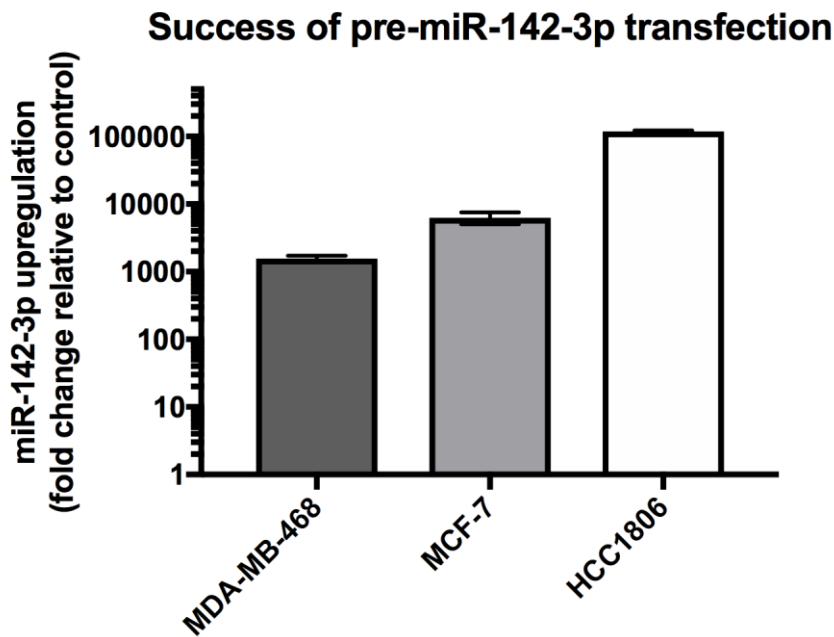


Fig. S1: Levels of miR-142-3p in cell lines MDA-MB-468, MCF-7 and HCC1806 subsequent to transfection with pre-miR-142-3p. Results are shown as fold changes relative to respective control pre-miR transfected cells (n=3, error bars indicate s.e.m.).

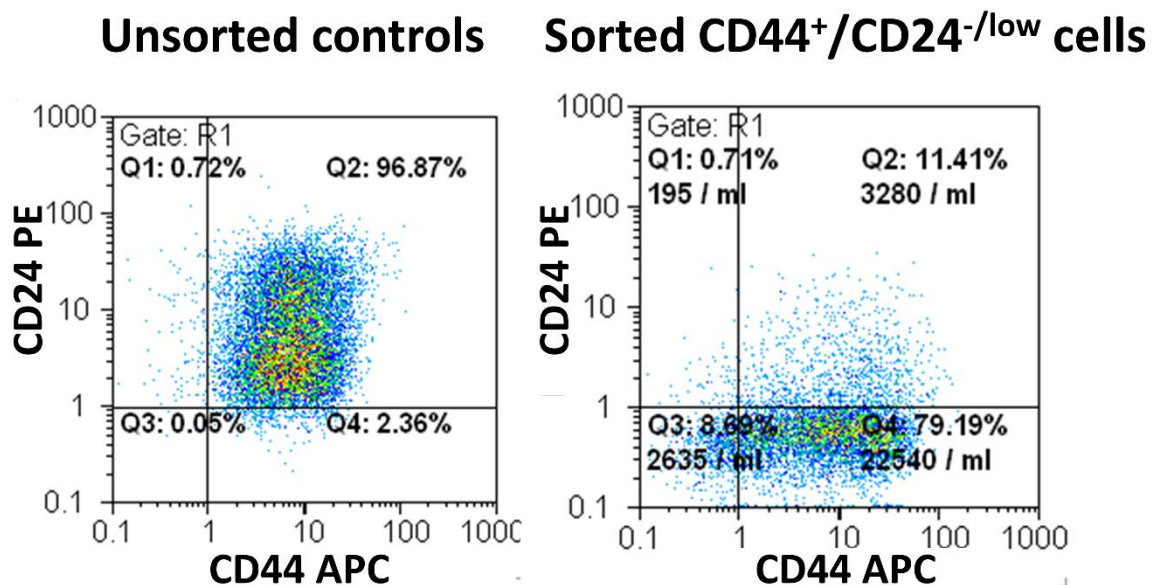


Fig. S2: Unsorted controls vs. sorted CD44⁺/CD24^{-/low} MDA-MB-468 cells in FACS. The CD44⁺/CD24^{-/low} share is shown in Q4 and is 2.36% in unsorted and 79.19% in sorted cells.

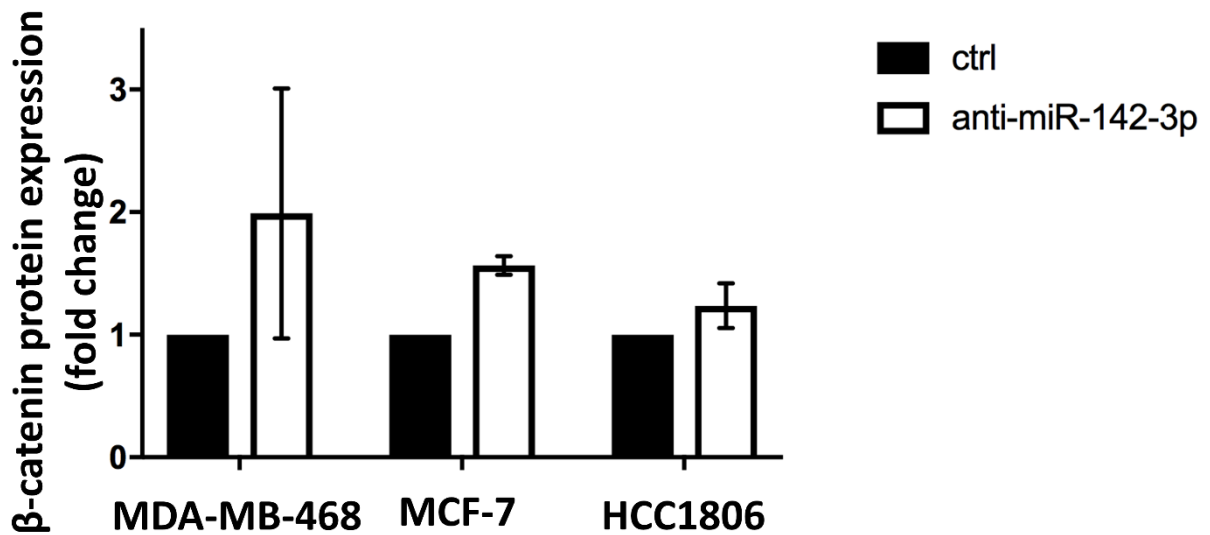


Fig. S3: Levels of β -catenin in cell lines MDA-MB-468 (n=2), MCF-7 (n=2), HCC1806 (n=3) after treatment with anti-miR-142-3p. Comparison is made to respective controls treated with control anti-miR (error bars indicate s.e.m.).

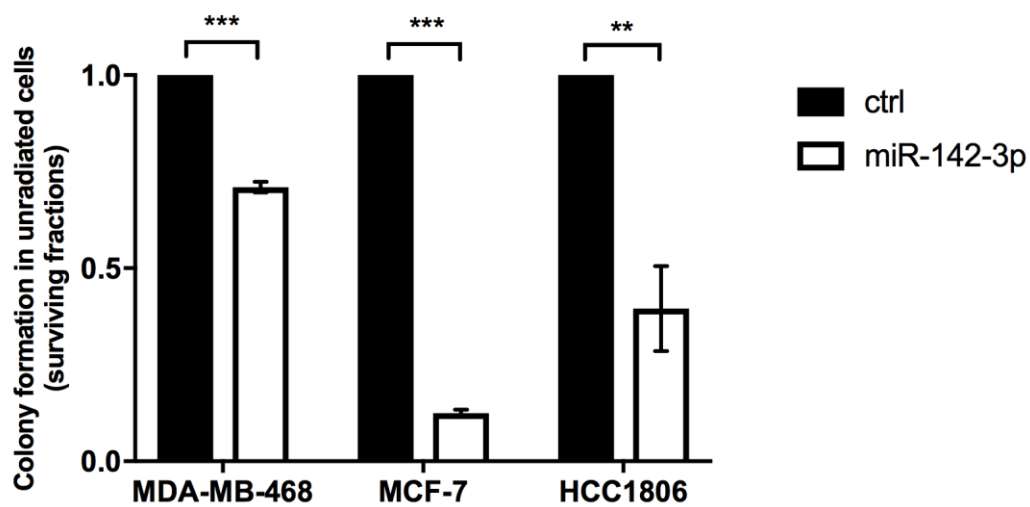


Fig. S4: Colony-forming ability after pre-miR-142-3p overexpression in MDA-MB-468, MCF-7 and HCC1806 cells. A reduced colony formation was observed after 10 days cultivation in the miR-142-3p overexpressing compared to the control pre-miR transfected cells (n=3, ** $p < 0.01$, *** $p < 0.001$, error bars indicate s.e.m.).

Table SI. List of TaqMan probes used for qPCR

Gene description	Order number
18S	HS99999901_s1
KLF4	HS00358836_ml
OKT4	HS00742896_s1
Bod1	HS00825888_mH
BRCA1	HS01556191_ml
BRCA2	HS1037421_ml
ITGAV	HS00233808_ml
RNU6B	ID 001093
miR-142-3p	ID 000464
Anti-miR-142-3p	AM 10398

Table SII. Average surviving fractions, respective s.e.m. values, and p values of control pre-miR transfected and pre-miR-142-3p transfected MDA-MB-468, MCF-7 and HCC1806 cells after irradiation (n=3).

	MDA-MB-468			MCF-7		
	control pre-miR (s.e.m.)	pre-miR-142-3p (s.e.m.)	<i>p</i> value	control pre-miR (s.e.m.)	pre-miR-142-3p (s.e.m.)	<i>p</i> value
2 Gy	0.637 (0.038)	0.403 (0.028)	0.008	0.311 (0.011)	0.159 (0.009)	0.0004
4 Gy	0.204 (0.007)	0.099 (0.009)	0.0006	0.062 (0.002)	0.023 (0.0003)	0.00009
6 Gy	0.032 (0.003)	0.011 (0.001)	0.006	0.019 (0.0007)	0.006 (0.0004)	0.0001

	HCC1806		
	control pre-miR (s.e.m.)	pre-miR-142-3p (s.e.m.)	<i>p</i> value
2 Gy	0.595 (0.032)	0.394 (0.020)	0.006
4 Gy	0.288 (0.019)	0.182 (0.024)	0.026
6 Gy	0.147 (0.007)	0.079 (0.020)	0.032