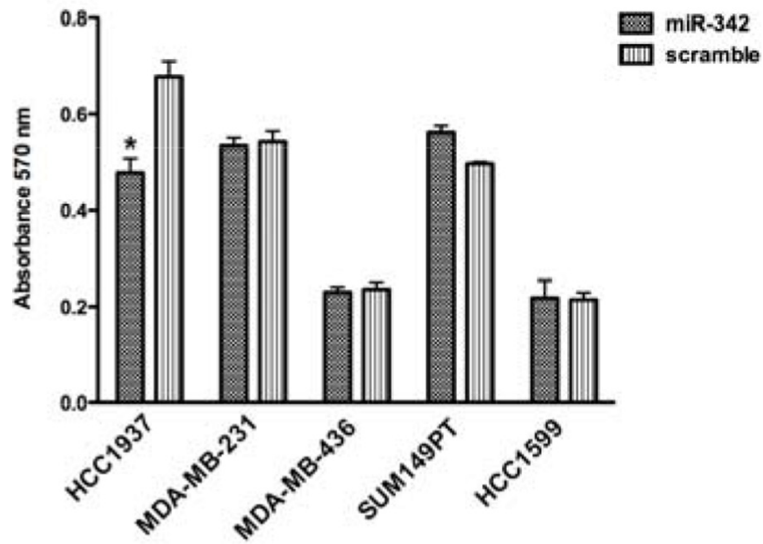
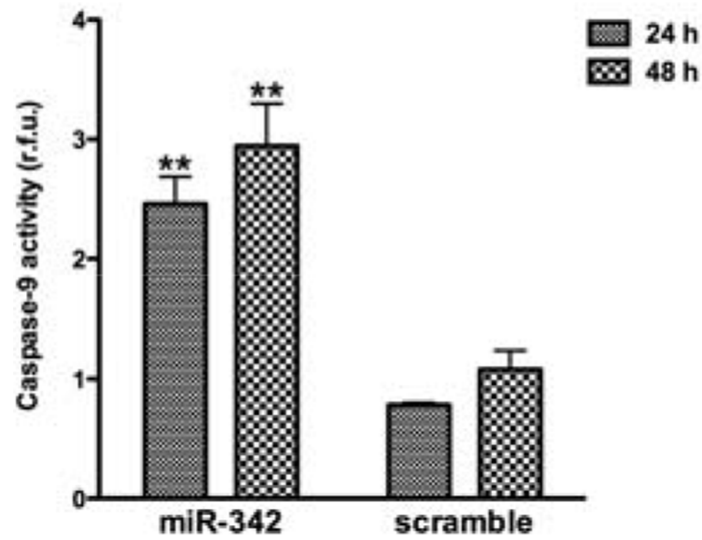


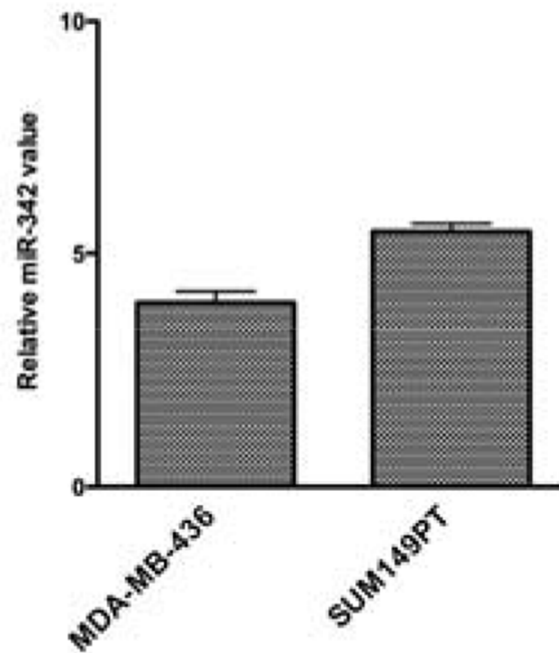
SUPPLEMENTARY FIGURES AND TABLE



Supplementary Figure S1: miR-342 reduces cell viability in HCC1937 cells. MTT viability assay performed 72 hours after pre-miR-342 or pre-miR-negative control (scramble) transfection in the cell lines analyzed. Data represent mean \pm SD from at least three independent determinations. *P<0.05 vs. scramble.



Supplementary Figure S2: miR-342 overexpression increases caspase-9 activity in HCC1937 breast cancer cells. Caspase-9 catalytic activity based on hydrolysis of a specific fluorogenic substrate. Data are given as relative fluorescence units (r.f.u.) and represent mean \pm SD from at least three independent determinations. **P<0.01 vs. scramble.



Supplementary Figure S3: MDA-MB-436 and SUM149PT cells express higher endogenous miR-342 than do HCC1937 cells. Relative quantification of miR-342 expression in MDA-MB-436 and SUM149PT cells as compared with that in HCC1937 cells. Data are expressed as $2^{-\Delta\Delta C_t}$ and represent mean \pm SD from three independent determinations.

Supplementary Table S1: Sequences of siRNAs targeting *BRCA1* mRNA

Name	Sequence
<i>BRCA1</i> #1	GAAGCCAGCUC AAGCAAUAdTdT dTdTTCUUCGGUCGAGUUCGUUAU
<i>BRCA1</i> #2	GACGUCUGUCUACAUUGAAAdTdT dTdTTCUGCAGACAGAUGUAACUU
<i>BRCA1</i> #5	UAACUCUCCUGAACAUAdTdT dTdTTAUUGAGAGGACUUGUAGAU
<i>BRCA1</i> #6	AGACGUCUGUCUACAUUGAdTdT dTdTUCUGCAGACAGAUGUAACU