Supporting Information Figure 7

A) 5000 LM2 cells

B) LM2 Cells

C) 5000 4T1 cells

Mock n=7  RARRES3 n=7

Number of Mice with Metastasis nodules

8/8 7/8

n.s.

qRT-PCR

RARRES3/B2M (mRNA AU)

Parental shControl LM2- RARRES3

DEAD

LM2 Cells

4T1 Cells

CN37 Cells

Mock RARRES3 RARRES3

Mock n=7 RARRES3 n=7

Number of Mice with Metastasis nodules

5000 4T1 cells

B) n.s.

0.01

Percentage (%)

0 10 20 30 40

80 70 60 50 40 30 20 10 0

4T1 Cells

Mock RARRES3

Percentage (%)

0 10 20 30 40

8/8 7/8

n.s.

C) 5000 4T1 cells

Mock RARRES3

n.s.
Supplementary Figure S7

(A) Mock and RARRES3-expressing LM2 and 4T1 cells were injected directly into mice lungs, and ability to grow in the lungs was assessed by luciferase bioluminescence over time or macroscopically 20 days post inoculation. Kaplan-Meier plot of the probability of lung metastasis-free survival was used for LM2 cells (log rank test) and a contingency plot was used for 4T1 cells (Fisher exact test) and representative images shown (white dashed line limits tumor area). n=7 mice per group was used in LM2 cells experiment. n=8 mice per group was used in 4T1 cells experiment.

(B) Equal dilutions of the indicated cell lines were performed, and cells were plated in Matrigel. The % of 3D oncospheres was calculated. The average of 3 experiments ± SD is shown.

(C) RARRES3 mRNA qPCR analysis of the indicated cell lines either in attached culture (white bars) or in oncospheres culture (grey bars) is shown.