Supplemental figure 1. Repression of ZEB1 and ZEB2 by Ets1 siRNAs. (a and b) Forty-eight hours after transfection of MDA-MB-231 cells with control siRNA (siNC) or Ets1 siRNA (#1), the cells were analyzed by immunofluorescence analyses with anti-N-cadherin antibody (green), TOPRO to detect nuclei (white) and phalloidin (red) to detect actin stress-fiber formation (a), and by qRT-PCR analyses (b). Each value represents the mean ± s.d. of triplicate determinations from a representative experiment. Similar results were obtained in two independent experiments.

Supplemental figure 2. Roles of ESE1 and Ets1 in breast cancer cells. (**a**) Various reporter constructs were co-transfected with Flag-tagged Ets1 expression plasmid (Flag-Ets1) or Flag-tagged mutated Ets1 expression plasmid (mut, threonine 38 converted to alanine) in MCF7 cells, and luciferase activities were measured. Expression of transfected Ets1 was confirmed by immunoblot analyses using anti-Flag antibody. (**b**) MDA-MB-231 cells were treated with 10 μM U0126, a MEK1/2 inhibitor, for up to 24 hours, followed by immunoblot analyses using the indicated antibodies. α-tubulin levels were monitored as a loading control. p-Ets1, phospho-Ets1 (threonine 38). (**c**) Forty-eight hours after transfection with expression plasmids encoding

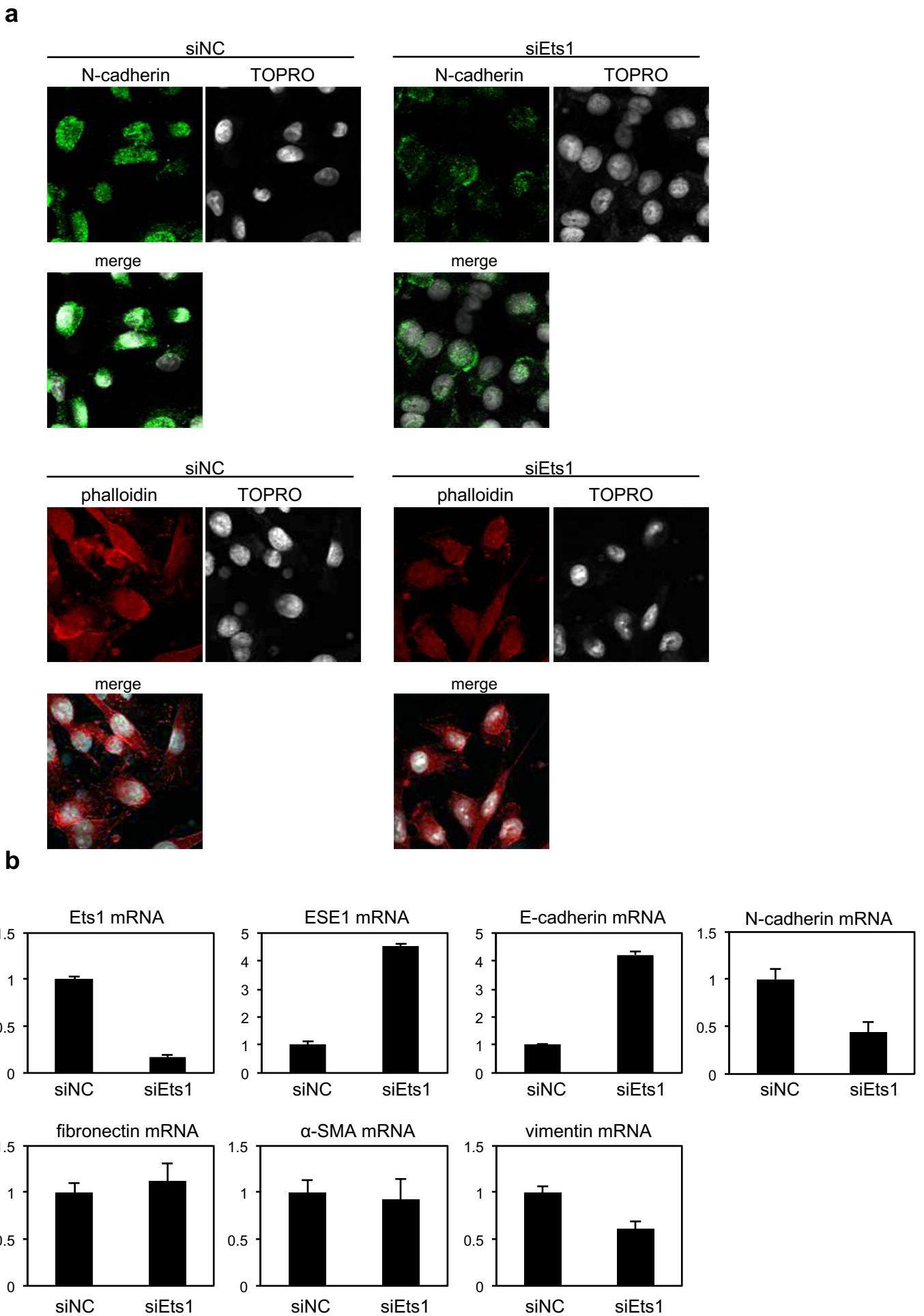
control and ESE1 in MDA-MB-231 cells, levels of the indicated mRNAs were evaluated by qRT-PCR analyses. Each value represents the mean ± s.d. of triplicate determinations from a representative experiment. Similar results were obtained in two independent experiments.

Supplemental figure 3. Silencing of Ets1 sensitizes breast cancer cells to anti-tumor drugs. After transfection with control siRNA (NC) and Ets1 siRNAs (#1 and #3), MDA-MB-231 and BT549 cells were exposed to cisplatin or adriamycin at the concentration of 30 μM. Twenty-four hours later, cell viability was evaluated by MTT assay. Each value represents the mean ± s.d. of triplicate determinations from a representative experiment. The value of control siRNA (NC) is indicated as "1". Similar results were obtained in two independent experiments using cells transfected with NC or Ets1 siRNAs.

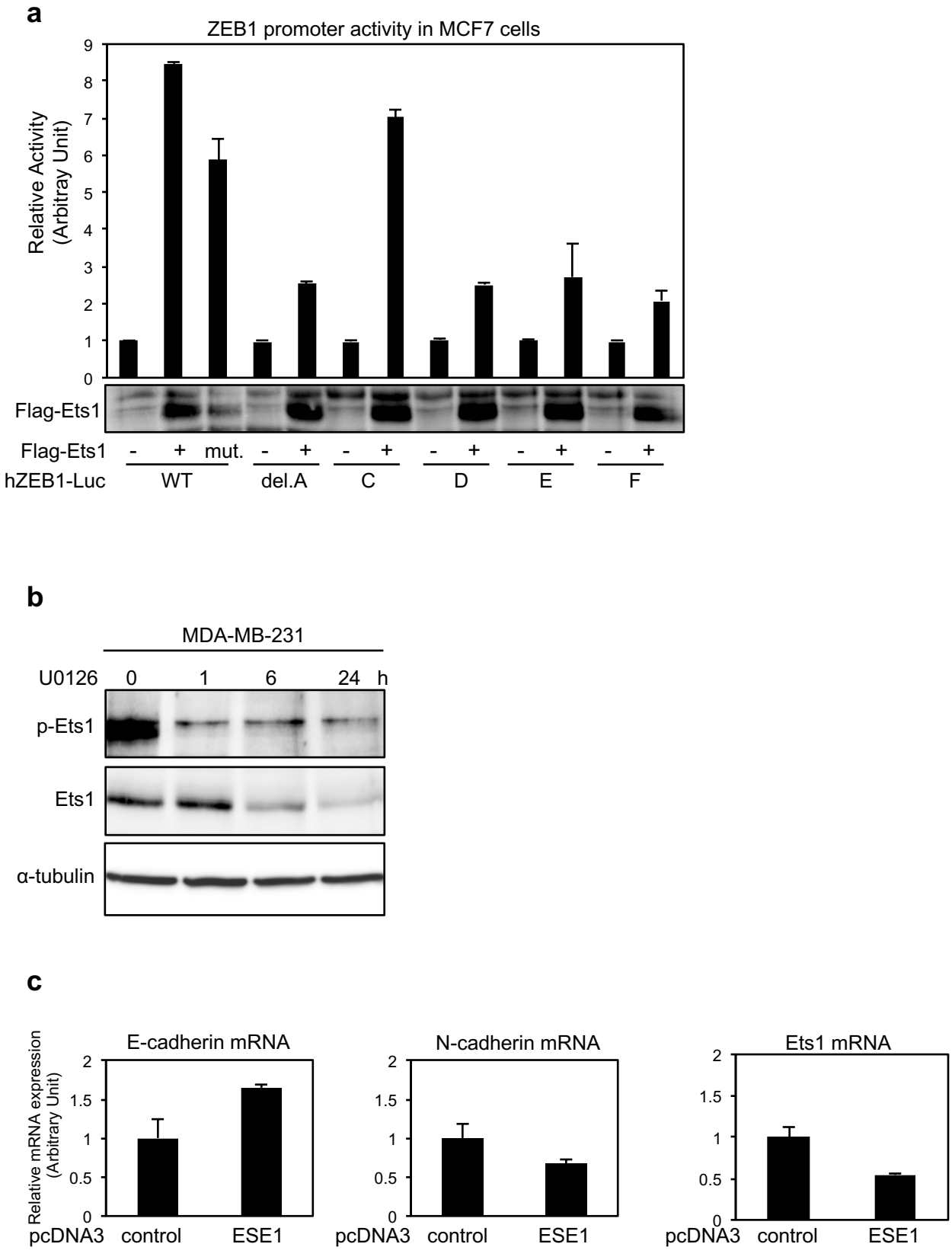
Supplemental figure 4. Inhibition of the Ets1-promoted activity by ESE1. After transfection with the indicated plasmids into MCF7 cells, luciferase activities were measured. Expression of

transfected Ets1 (Flag-Ets1) and ESE1 (Flag-ESE1) was confirmed by immunoblot analyses using anti-Flag antibody.

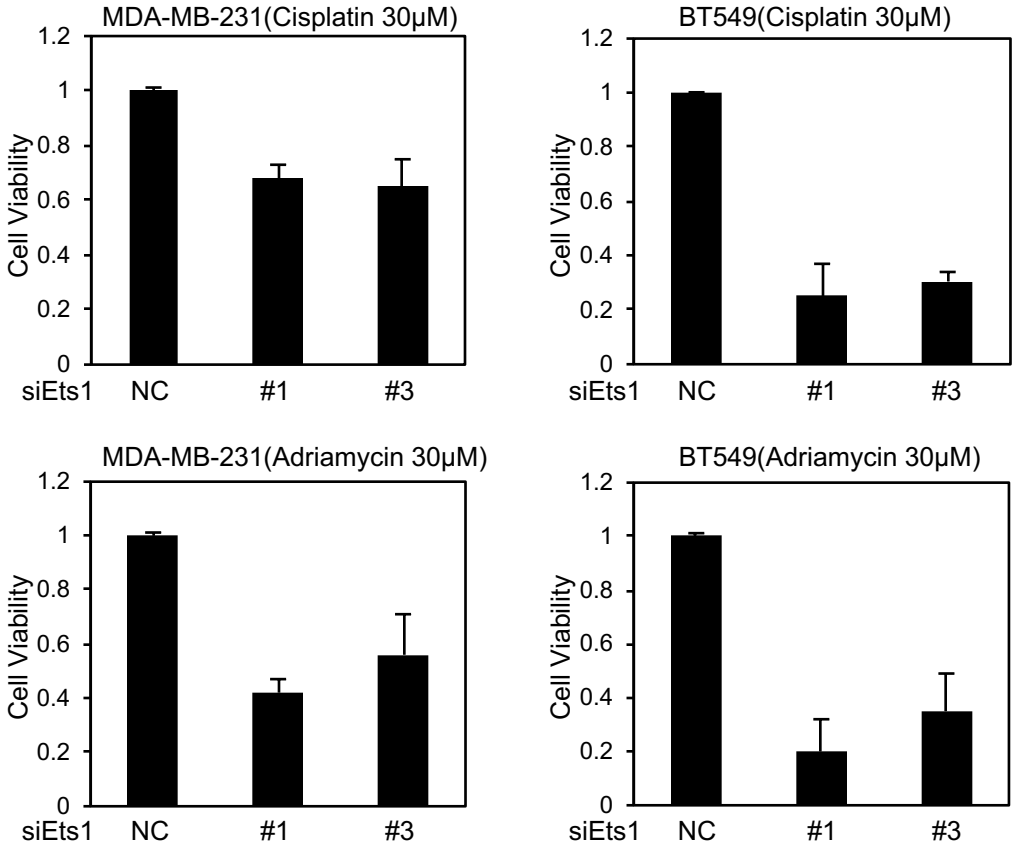
Supplemental Figure 1



Supplemental Figure 2



Supplemental Figure 3



Supplemental Figure 4