Breast Cancer RESEARCH

CORRECTION

Correction: A p53-independent role of Mdm2 in estrogen-mediated activation of breast cancer cell proliferation

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Correction

Following publication of our article [1], the authors noticed that the data incorporated into Figure 4f was incorrect. The first column should be changed from 44, 13 and 46 to read 43, 13 and 44 instead. A corrected version of Figure 4f can be found overleaf.

Competing interests

The authors declare that they have no competing interests.

Published: 29 February 2012

Reference

1. 1. Brekman A, Singh KE, Polotskaia A, Kundu N, Bargonetti J: **A p53-independent role of Mdm2 in estrogen-mediated activation of breast cancer cell proliferation.** *Breast Cancer Research* 2011, **13:**R3.

doi:10.1186/bcr3130
Cite this article as: Brekman A, *et al.*: Correction: A p53-independent role of Mdm2 in estrogen-mediated activation of breast cancer cell proliferation. *Breast Cancer Research* 2012, **14:**302.

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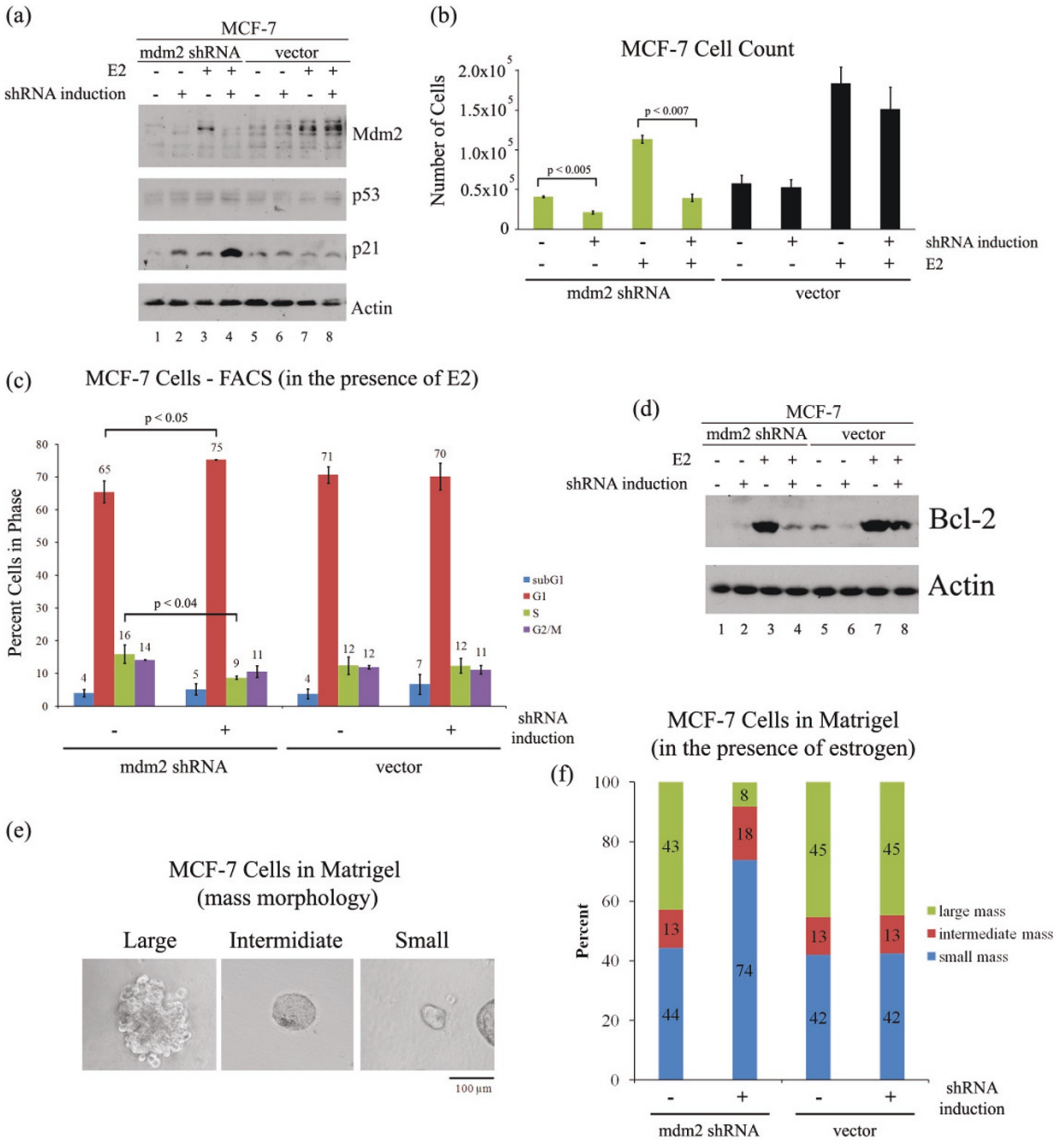

Figure 4. Mdm2 knockdown in estrogen-treated MCF-7 cells inhibits cell proliferation. Clonal MCF-7 cell lines with *mdm2* shRNA or control vector were treated with 2 µg/ml doxycycline (DOX) for three days to induce shRNA expression, followed by 10 nM estrogen (E2) for five days in the presence of DOX. **(a)** Western blot analysis of Mdm2, p53, p21 and Actin protein levels from whole cell lysates. **(b)** Number of cells was determined by Guava Viacount assay. 10,000 cells were seeded at beginning of treatments. **(c)** Fluorescence activated cell sorting (FACS). Cells were harvested, fixed in 30% ethanol, and cellular DNA was stained with propidium iodide. **(d)** Western blot analysis of Bcl-2 and Actin protein levels from whole cell lysates. **(e)** MCF-7 cells, grown in matrigel for three weeks, formed mass structures of three sizes: large, intermediate and small. **(f)** MCF-7 cells, grown in matrigel for three weeks in the presence of 10 nM estrogen and in the absence or presence of 2 µg/ml doxycycline, were fixed and stained with propidium iodide. Masses of different sizes (large, intermediate and small) were counted and presented as percent of the total population. On average, a total of 300 masses were counted. Averages of three independent experiments are shown. The significance in the percent change of large and small masses was determined by the Student t-test ($P < 0.05$).