Correction

MEDICAL SCIENCES

Correction for "The genome landscape of ERα- and ERβ-binding DNA regions," by Yawen Liu, Hui Gao, Troels Torben Marstrand, Anders Ström, Eivind Valen, Albin Sandelin, Jan-Åke Gustafsson, and Karin Dahlman-Wright, which was first published February 19, 2008; 10.1073/pnas.0712085105 (*Proc Natl Acad Sci USA* 105:2604–2609).

The authors wish to note the following: "Concerns were raised about the data presented in Fig. 1. After examination of the raw data for the experiments in Fig. 1 *A*, *B,* and *C*, we have determined that Western blots were done with both ERβ and Flag-tag antibodies, and that the final interpretation of the results of Fig. 1, and thus the article as a whole, remain unchanged. The student, who is the first author and the one who composed the pictures of the Western blots, did cut and paste bands. This was done to remove bands that were not relevant to the study. This was not stated on the images or within the figure legends. Accordingly, we have provided a revised Fig. 1 using the original experimental data and following proper figure preparation guidelines. We apologize for any inconvenience caused by the omission." The corrected figure and its corrected legend appear below.

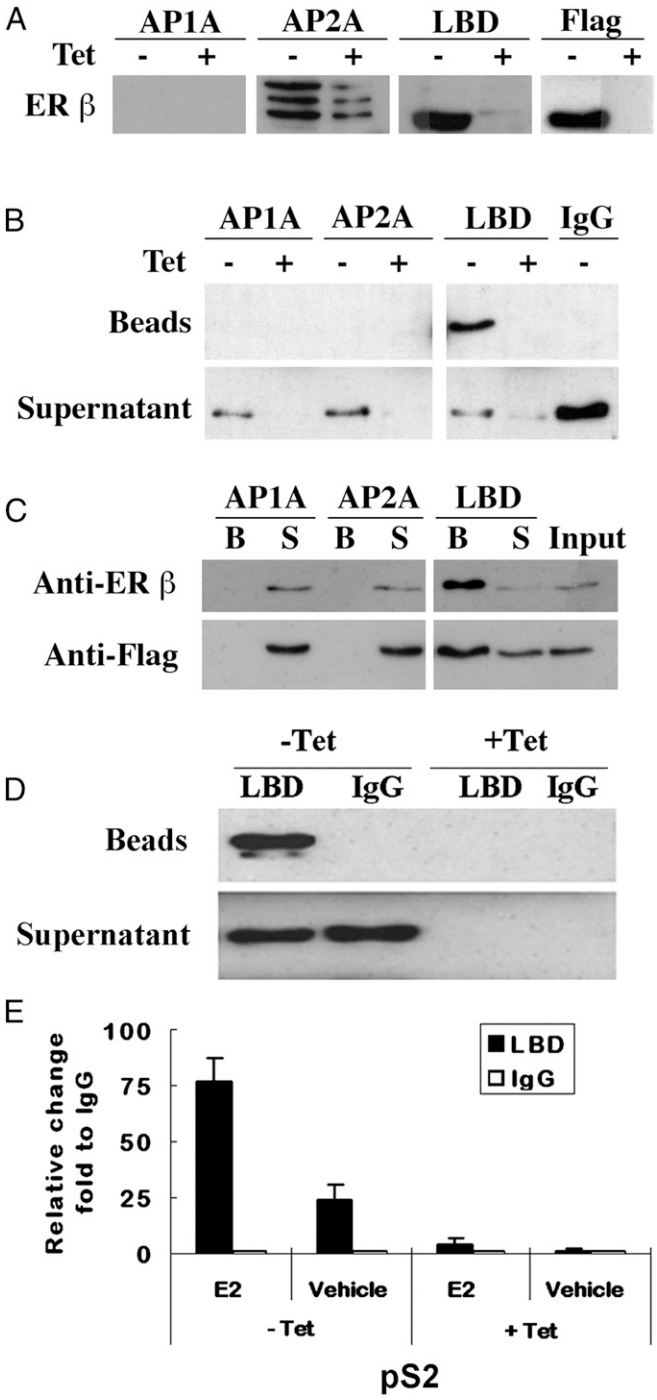

Fig. 1. Characterization of ERβ antibodies. (*A*) MCF-7 tet-off Flag-ERβ cells were cultured in the presence of tetracycline (+Tet; −ERβ) or absence (−Tet; +ERβ) of tetracycline for 18 h. Whole cell extracts were processed for Western blot analysis with different antibodies as indicated. AP2A antibody detected seemingly unspecific bands. (*B*) MCF-7 tet-off Flag-ERβ cells were cultured as in *A*. Cells were processed for standard IP analysis using the various ERβ antibodies and a nonspecific control antibody (IgG, normal rabbit IgG). Precipitated fractions (Beads) and supernatant fractions (Supernatant), after IP, were analyzed by Western blotting using the anti-Flag antibody M5. (*C*) The conditions are the same as in *B* except that beads (*B*) and supernatants (*S*) were analyzed by using the ERβ antibody (*Upper*) and the anti-Flag antibody M5 (*Lower*), respectively. Input corresponds to sample before IP. (*D*) MCF-7 tet-off Flag-ERβ cells were cultured as in *A*. The cells were processed for ChIP analysis as described in *Materials and Methods* by using ERβ LBD antibody and a nonspecific control antibody (IgG, normal rabbit IgG). The anti-Flag antibody M5 was used for Western blotting. The Western blot figures were composed from several, or different, areas within the same Western blot film as indicated with a space between the Western blot images. (*E*) MCF-7 tet-off Flag-ERβ cells were treated and processed for ChIP assays as described in *Materials and Methods*. Real-time PCR on DNA from immunoprecipitated fractions was performed by using primer pairs that amplify the ER binding region in the pS2 promoter. Data are presented as relative promoter enrichment by the ERβ LBD antibody compared with normal rabbit IgG.

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