

# Corrections

## ENVIRONMENTAL SCIENCES

Correction for “Genome sequence of the button mushroom *Agaricus bisporus* reveals mechanisms governing adaptation to a humic-rich ecological niche,” by Emmanuelle Morin, Annegret Kohler, Adam R. Baker, Marie Foulongne-Oriol, Vincent Lombard, Laszlo G. Nagy, Robin A. Ohm, Aleksandrina Patyshakuliyeva, Annick Brun, Andrea L. Aerts, Andrew M. Bailey, Christophe Billette, Pedro M. Coutinho, Greg Deakin, Harshavardhan Doddapaneni, Dimitrios Floudas, Jane Grimwood, Kristiina Hildén, Ursula Kües, Kurt M. LaButti, Alla Lapidus, Erika A. Lindquist, Susan M. Lucas, Claude Murat, Robert W. Riley, Asaf A. Salamov, Jeremy Schmutz, Venkataramanan Subramanian, Han A. B. Wösten, Jianping Xu, Daniel C. Eastwood, Gary D. Foster, Anton S. M. Sonnenberg, Dan Cullen, Ronald P. de Vries, Taina Lundell, David S. Hibbett, Bernard Henrissat, Kerry S.

Burton, Richard W. Kerrigan, Michael P. Challen, Igor V. Grigoriev, and Francis Martin, which appeared in issue 43, October 23, 2012, of *Proc Natl Acad Sci USA* (109:17501-17506; first published October 8, 2012; 10.1073/pnas.1206847109).

The authors note that the following statement should be added to the Acknowledgments: “G.D. is a PhD student funded by the Teagasc Walsh Fellowship scheme and jointly supervised by K.S.B., and HM Grogan, Teagasc, Ireland.”

The authors also note that an additional affiliation for Greg Deakin should be listed; the additional affiliation is Mushroom Research Group, Crops, Environment, and Land Use Programme, Teagasc, Ashtown, Dublin 15, Ireland. The corrected author and affiliation lines appear below. The online version has been corrected.

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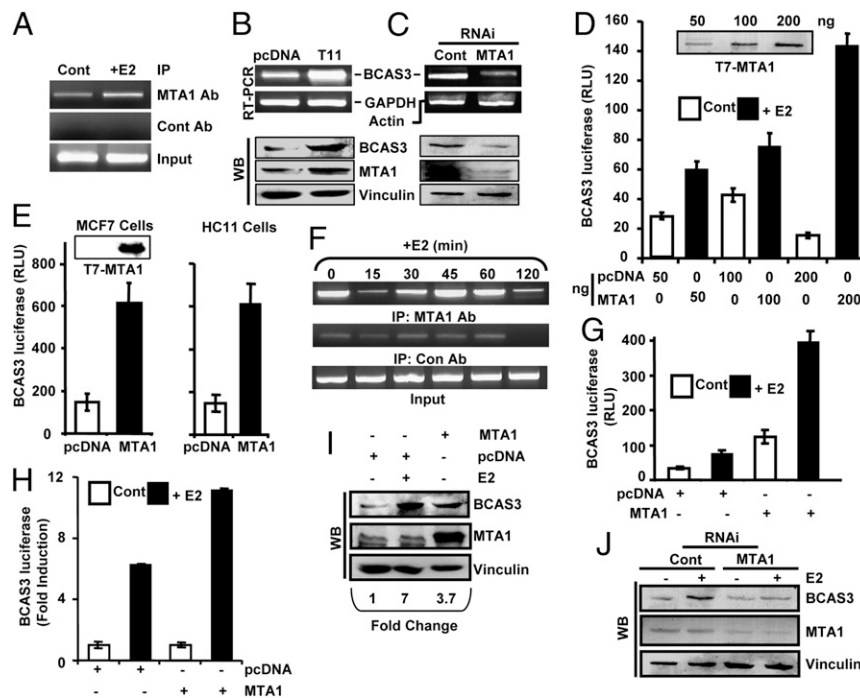
[www.pnas.org/cgi/doi/10.1073/pnas.1300201110](http://www.pnas.org/cgi/doi/10.1073/pnas.1300201110)

## MEDICAL SCIENCES

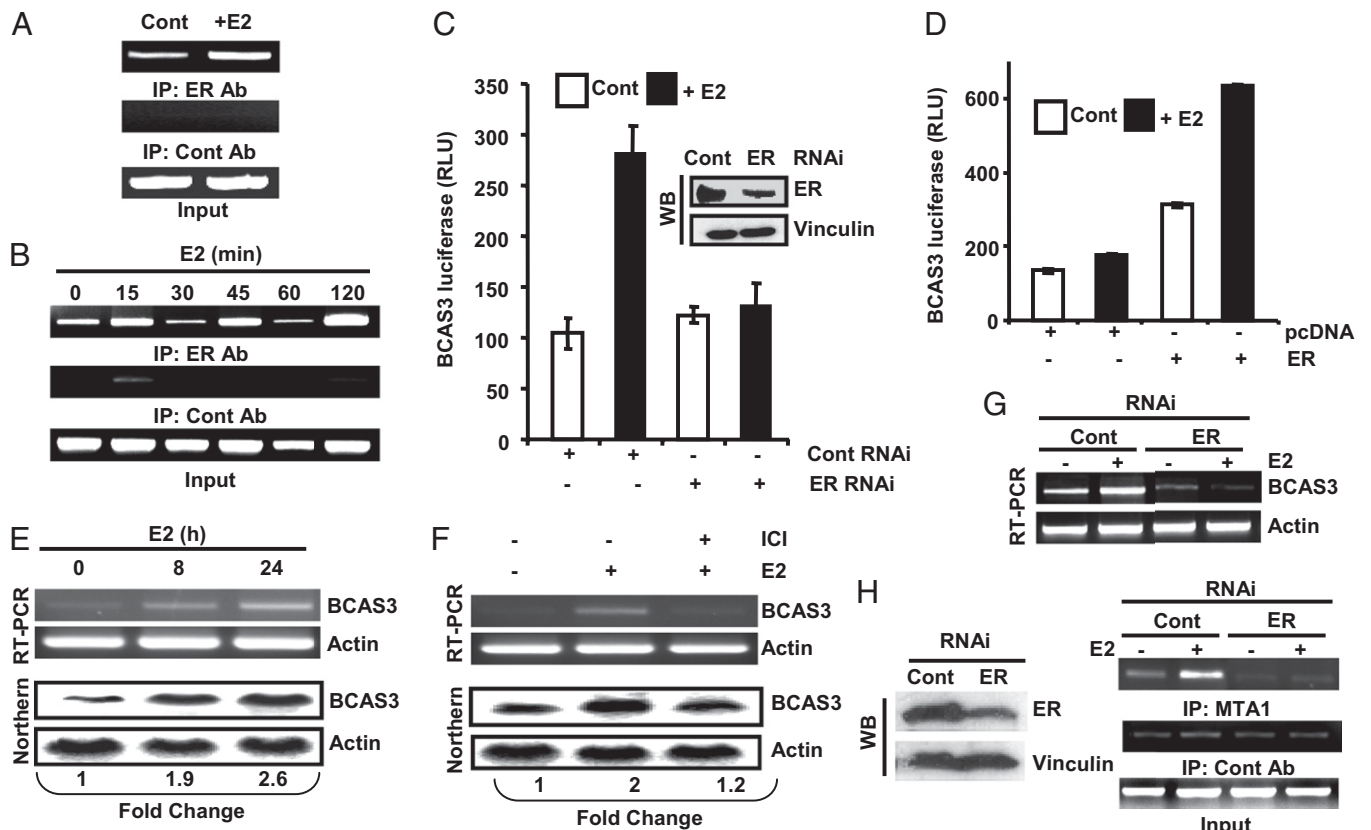
Correction for "MTA1, a transcriptional activator of breast cancer amplified sequence 3," by Anupama E. Gururaj, Rajesh R. Singh, Suresh K. Rayala, Caroline Holm, Petra den Hollander, Hao Zhang, Seetharaman Balasenthil, Amjad H. Talukder, Goran Landberg, and Rakesh Kumar, which appeared in issue 17, April 25, 2006, of *Proc Natl Acad Sci USA* (103:6670–6675; first published April 14, 2006; 10.1073/pnas.0601989103).

The authors note the following: "We have recently become aware that errors were introduced into Figs. 1 and 2 during their composition. In Fig. 1, the control panels were reused in Fig. 1A

and Fig. 1F, and the incorrect MTA1 panel was used in Fig. 1J. We have now replaced the panels with correct panels from the original experimental results. In Fig. 2, the ER panel in Fig. 2C was reused in Fig. 2H. We have now replaced the panel with the correct panel in Figure 2H. Additionally, the RT-PCR panels of Fig. 2E and 2F were originally spliced together. We have now replaced these RT-PCR panels with results from repeat experiments. These errors do not change the original scientific conclusions and validity of the result remains the same." The corrected figures and their corresponding legends appear below.



**Fig. 1.** Recruitment to the regulatory region and modulation of BCAS3 by MTA1. (A) MTA1-associated chromatin from MCF-7 cells associates with regulatory region of BCAS3. (B) Levels of BCAS3 and MTA1 in MCF-7/MTA1 (T11 clone) and MCF-7/pcDNA cells. (C) Effect of MTA1 knockdown by RNAi on the levels of BCAS3. (D) Effect of T7-MTA1 or pcDNA on the BCAS3-luc activity in MCF-7 cells. Inset, expression of transfected T7-MTA1. (E) Status of BCAS3-luc activity in MCF-7/MTA1 and HC11/MTA1 clones with respective controls. (F) Recruitment of MTA1 onto BCAS3 regulatory region upon E2 stimulation. (G) BCAS3-luc reporter activity in MCF-7 cells transiently transfected with T7-MTA1 and treated with E2. (H and I) Effect of E2 treatment on BCAS3-luc activity and BCAS3 protein in MCF-7/pcDNA and MCF-7/MTA1 cells. Luciferase activity is represented as fold induction by E2 as compared to control ( $n = 3$ ). (J) Effect of MTA1 depletion on BCAS3 expression in MCF-7 cells treated with or without E2 ( $n = 3$ ).



**Fig. 2.** Occupancy of BCAS3 enhancer module by ER $\alpha$  and regulation of gene expression. (A) E2 stimulation promotes ER $\alpha$  recruitment onto BCAS3 regulatory region in MCF-7 cells. (B) ER $\alpha$  occupancy of BCAS3 regulatory sequence upon E2 treatment. (C) Effect of ER $\alpha$  depletion upon E2 stimulation of BCAS3-luc activity in MCF-7 cells. (D) BCAS3-luc activity in HeLa cells transfected with ER $\alpha$  or vector and treated with E2. (E) Effect of E2 stimulation on BCAS3 mRNA in MCF-7 cells. (F) Inhibition of E2-induced BCAS3 expression by ICI-182780 in MCF-7 cells. (G) Effect of ER $\alpha$  knockdown on BCAS3 expression in MCF-7 cells treated with or without E2. (H) (Right) Recruitment of MTA1 onto BCAS3 regulatory region in response to E2 stimulation in ER-depleted MCF-7 cells. (Left) Status of ER $\alpha$  knockdown by RNAi ( $n = 3$ ).

www.pnas.org/cgi/doi/10.1073/pnas.1300338110

**CELL BIOLOGY**

Correction for “TRIM39 regulates cell cycle progression and DNA damage responses via stabilizing p21,” by Lei Zhang, Yang Mei, Nai-yang Fu, Li Guan, Wei Xie, Hui-hui Liu, Chun-dong Yu, Zhenyu Yin, Victor C. Yu, and Han You, which appeared in issue 51, December 18, 2012, of *Proc Natl Acad Sci USA* (109:20937–20942; first published December 4, 2012; 10.1073/pnas.1214156110).

The authors note that, due to a printer’s error, the footnote “<sup>1</sup>L.Z., Y.M., and N.-y.F. contributed equally to this work” should instead appear as “<sup>1</sup>Y.M. and N.-y.F. contributed equally to this work.”

Additionally, within the author line, “Lei Zhang<sup>a,1</sup>” should instead appear as “Lei Zhang<sup>a</sup>.” The corrected author line appears below.

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www.pnas.org/cgi/doi/10.1073/pnas.1300693110

**EDITORIAL**

Correction for “PNAS introduces new magazine section,” by Inder M. Verma and David J. Harris, which appeared in issue 7, February 12, 2013, of *Proc Natl Acad Sci USA* (110:2427; first published January 30, 2013; 10.1073/pnas.1300186110).

The editors note that the author name Inder M. Verma should instead appear as Inder M. Verma. The corrected author line appears below. The online version has been corrected.

**Inder M. Verma and David J. Harris**

www.pnas.org/cgi/doi/10.1073/pnas.1302830110