

19. Otwinowski, M. & Minor, W. Processing of X-ray diffraction data collected in oscillation mode. *Methods Enzymol.* **276**, 307–326 (1997).
20. Terwilliger, T. C. & Berendzen, J. Automated MAD and MIR structure solution. *Acta Crystallogr. D* **55**, 849–861 (1999).
21. Terwilliger, T. C. Maximum likelihood density modification. *Acta Crystallogr. D* **56**, 965–972 (2000).
22. Jones, T., Zou, J.-Y., Cowan, S. & Kjeldgaard, M. Improved methods for building protein models in electron density maps and the location of errors in these models. *Acta Crystallogr. A* **47**, 110–119 (1991).
23. Brünger, A. T. *et al.* Crystallography & N.M.R. system: a new software suite for macromolecular structure determination. *Acta Crystallogr. D* **54**, 905–921 (1998).

Supplementary Information accompanies the paper on [www.nature.com/nature](http://www.nature.com/nature).

**Acknowledgements** We are grateful to J. R. H. Tame for a critical reading of the manuscript. We thank Z. No for providing sildenafil citrate; D.-K. Kim for providing vardenafil; D. K. Shin for discussion and figures; and H.-S. Lee and G.-H. Kim for their assistance at the Pohang Light Source (PLS), beamline 6B. Experiments at PLS were supported, in part, by the Ministry of Science and Technology (MOST) of Korea and POSCO. We also thank S.Y.P.'s group for their assistance at Spring-8 for high-resolution data. This work was supported partially by a grant from the National Research Laboratory Program and the Center for Biological Modulators of the 21c Frontier R&D Program, subsidized MOST. This work was also supported partly by Yuyu Inc. and KT&G Co. Ltd..

**Competing interests statement** The authors declare that they have no competing financial interests.

**Correspondence** and requests for materials should be addressed to S.G.R. (sgro@crystalgenomics.com) or J.M.C. (jmcho@crystalgenomics.com). Coordinates for the sildenafil, tadalafil and vardenafil complex structure have been deposited in the Protein Data Bank under accession codes 1UDT, IUDU and IUHO, respectively.

## erratum

### The expression domain of *PHANTASTICA* determines leaflet placement in compound leaves

Minsung Kim, Sheila McCormick, Marja Timmermans & Neelima Sinha

*Nature* **424**, 438–443 (2003).

In the Methods section on page 443 of this Letter, a line was omitted. The sentence should read: “We determined antibody purity and specificity by western blot analysis on protein extracts prepared from wild-type and rs2 mutant apices.” □

## corrigenda

### Structure of the replicative helicase of the oncoprotein SV40 large tumour antigen

Dawei Li, Rui Zhao, Wayne Lilyestrom, Dahai Gai, Rongguang Zhang, James A. DeCaprio, Ellen Fanning, Andrzej Joachimiak, Gerda Szakonyi & Xiaojiang S. Chen

*Nature* **423**, 512–518 (2003).

The name of A. J. was misspelt in the author list and should be Andrzej Joachimiak. Also, he is in the Biosciences Division of SBC (and not at the Advanced Photon Source, as published). □

### Impact of urbanization and land-use change on climate

E. Kalnay & M. Cai

*Nature* **423**, 528–531 (2003).

When calculating areal averages, which involve weighting gridded data with the cosine of the latitude of half-degree grid boxes, we divided the sum by the total number of grids but omitted to divide the sum also by the average cosine latitude of the domain, which is 0.786. This error affects only the area-averaged values, not the maps or the station values, or the relative differences between station and reanalysis values. As a result, the average numbers on the maps should be divided by this factor. As the proportions quoted remain the same, this error does not affect our conclusions, except that the values of area-averaged trends have to be multiplied by 1.272. The corrected estimate of the trend in daily mean temperature due to land use changes is 0.35 °C per century. □