## letters to nature

- Vos, A. M., Ultsch, M. & Kossiakoff, A. A. Human growth hormone and extracellular domain of its receptor: Crystal structure of the complex. *Science* 255, 306–312 (1992).
- Walter, M. R. et al. Crystal structure of a complex between interferon-γ and its soluble high-affinity receptor. Nature 376, 230–235 (1995).
- Livnah, O. et al. Functional mimicry of a protein hormone by a peptide agonist: The EPO receptor complex at 2.8 Å. Science 273, 464–471 (1996).
- Greenfeder, S. A. et al. Molecular cloning and characterization of a second subunit of the interleukin 1 receptor complex. J. Biol. Chem. 270, 13757–13765 (1995).
- Priestle, J. P., Schär, H.-P. & Grütter, M. G. Crystal structure of the cytokine interleukin-1β. EMBO J. 7, 339–343 (1988).
- Ju, G. et al. Conversion of the interleukin 1 receptor antagonist into an agonist by site-specific mutagenesis. Proc. Natl Acad. Sci. USA 88, 2658–2662 (1991).
- Kabsch, W. Automatic processing of rotation diffraction data from crystals of initially unknown symmetry and cell constants. J. Appl. Crystallogr. 26, 795-800 (1993).
   Navaza, J. AMoRe: an automated package for molecular replacement. Acta Crystallogr. A 50, 157-163
- (1994).
   Wang, J. *et al.* Atomic structure of a fragment of human CD4 containing two immunoglobulin-like
- domains. Nature 348, 411-418 (1990). 22. Collaborative Computational Project Number 4. The CCP4 suite: Programs for protein
- crystallography. Acta Crystallogr. D 50, 760-763 (1994). 23. Terwilliger, T. C. & Eisenberg, D. Unbiased three-dimensional refinement of heavy-atom parameters
- by correlation of origin-removed Patterson functions. Acta Crystallogr. A 39, 813–817 (1983).
   Otwinowsky, W. Maximum likelihood refinement of heavy atom parameters. In Isotnorphous Replacement and Anomalous Scattering Proc. CCP4 Study Weekend, 25–26 January 1991 (compiled by Wolf, W., Evans, P. R. & Lesly, A. G. W.) 80–86 (1991).
- room, Y., Brahs, H. & Leasy, H. W. 190–90 (1971).
   Read, R. J. & Schierbeek, A. J. A phased translation function. J. Appl. Crystallogr. 13, 490–495 (1988).
   Zhang, K. Y. J. SQUASH-combining constraints for macromolecular phase refinement and extension.
- Acta Crystallogr. D 49, 213–222 (1993).
  27. Jones, T. A., Zou, J.-Y., Cowan, S. W. & 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).
- Brünger, A. X-PLOR, version 3.1. A system for X-ray crystallography and NMR. (Yale University Press, New Haven, Connecticut, 1992).
- 29. Kraulis, P. MOLSCRIPT: A program to produce both detailed and schematic plots of protein structures. J. Appl. Crystallogr. 24, 946-950 (1991).
- Nicholls, A., Sharp, K. A. & Honig, B. Protein folding and association: Insights from the interfacial and thermodynamic properties of hydrocarbons. *Proteins* 11, 281–296 (1991).

Acknowledgements. We thank J. A. Malikayil and T. Pelton for discussion and A. Bateman for advice on the classification of domains 1 and 2.

Correspondence and requests for materials should be addressed to H.A.S. (e-mail: hschreuder@frahmr. hoechst.com). Coordinates will be deposited with the Brookhaven Protein Data Bank and will be released after one year.

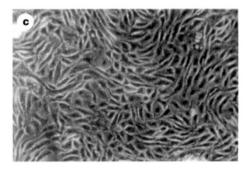
### ERRATUM

## Viable offspring derived from fetal and adult mammalian cells

#### I. Wilmut, A. E. Schnieke, J. McWhir, A. J. Kind & K. H. S. Campbell

#### Nature 385, 810-813 (1997).

In this Letter in the 27 February issue, a production error led to the image for part b of Fig. 1 (fetal fibroblasts) being used twice, as parts b and c. The correct image for Fig. 1c (mammary-derived cells) is shown below, and is also on the *Nature* web site and in reprints.



# YOURS TO HAVE AND TO HOLD BUT NOT TO COPY

The Copyright Licensing Agency (CLA) is an organisation which issues licences to bring photocopying within the law. It has designed licensing services to cover all kinds of special needs in business, education, and government.

If you take photocopies from books, magazines and periodicals at work your employer should be licensed with CLA.

Make sure you are protected by a photocopying licence.

The publication you are reading is protected by copyright law. This means that the publisher could take you and your employer to court and claim heavy legal damages if you make unauthorised infringing photocopies from these pages.

Photocopying copyright material without permission is no different from stealing a magazine from a newsagent, only it doesn't seem like theft.

The Copyright Licensing Agency Limited 90 Tottenham Court Road, London W1P 0LP

Telephone: 0171 436 5931 Fax: 0171 436 3986