

containing an RNA helicase can degrade highly structured RNA molecules.

It has been reported that the *rhlB* gene can be deleted without lethal consequences<sup>26</sup>. However, the putative deletion strain still has a copy of *rhlB*, and more recent attempts to delete the gene failed, indicating that *rhlB* may be essential (our unpublished results; M. Cashel, personal communication). The results reported here provide evidence of a DEAD-box RNA helicase having an active role in bacterial mRNA degradation. □

Received 21 February; accepted 27 March 1996.

1. Carpousis, A. J., Van Houwe, G., Ehretsmann, C. & Krisch, H. M. *Cell* **76**, 889–900 (1994).
2. Py, B., Causton, H., Mudd, E. A. & Higgins, C. F. *Molec. Microbiol.* **14**, 717–729 (1994).
3. Ghora, B. K. & Apirion, D. *Cell* **15**, 1055–1066 (1978).
4. Ono, M. & Kuwano, M. *J. molec. Biol.* **129**, 343–357 (1979).
5. Tomcsányi, L. & Apirion, D. *J. molec. Biol.* **185**, 713–720 (1985).
6. Mudd, E. A., Carpousis, A. J. & Krisch, H. M. *Genes Dev.* **4**, 873–881 (1990).
7. Mudd, E. A., Krisch, H. M. & Higgins, C. F. *Molec. Microbiol.* **4**, 2127–2135 (1990).
8. Lin-Chao, S. & Cohen, S. N. *Cell* **65**, 1233–1242 (1991).
9. Bouvet, P. & Belasco, J. G. *Nature* **360**, 488–491 (1992).
10. Cormack, R. S., Genereaux, J. L. & Mackie, G. A. *Proc. natn. Acad. Sci. U.S.A.* **90**, 9006–9010 (1993).
11. Donovan, W. P. & Kushner, S. R. *Proc. natn. Acad. Sci. U.S.A.* **83**, 120–124 (1986).
12. Newbury, S. F., Smith, N. H., & Higgins, C. F. *Cell* **51**, 1131–1143 (1987).
13. McLaren, R. S., Newbury, S. F., Dance, G. S. C., Causton, H. C. & Higgins, C. F. *J. molec. Biol.* **221**, 81–95 (1991).

14. Causton, H., Py, B., McLaren, R. S. & Higgins, C. F. *Molec. Microbiol.* **14**, 731–741 (1994).
15. Schmid, S. R. & Linder, P. *Molec. Microbiol.* **6**, 283–291 (1992).
16. Fuller-Pace, F. V. *Trends Cell Biol.* **4**, 271–274 (1994).
17. Iost, I. & Dreyfus, M. *Nature* **372**, 193–196 (1994).
18. Grifo, J. A., Abramson, R. D., Satler, C. A. & Merrick, W. C. *J. biol. Chem.* **259**, 8648–8654 (1984).
19. Nishi, K., Morel-Deville, F., Hershey, J. W. B., Leighton, T. & Schnier, J. *Nature* **336**, 496–498 (1988).
20. Hirling, H., Scheffner, M., Restle, T. & Stahl, H. *Nature* **339**, 562–564 (1989).
21. Schwer, B. & Guthrie, C. *Nature* **349**, 494–499 (1991).
22. Fuller-Pace, F. V., Nicol, S. M., Reid, A. D. & Lane, D. P. *EMBO J.* **12**, 3619–3626 (1993).
23. Liang, L., Diehl-Jones, W. & Lasko, P. *Development* **120**, 1201–1211 (1994).
24. Rozen, F. *et al. Molec. cell. Biol.* **10**, 1134–1144 (1990).
25. Pause, A. & Sonenberg, N. *EMBO J.* **11**, 2643–2654 (1992).
26. Kalman, M., Murphy, H. & Cashel, M. *New Biol.* **3**, 886–895 (1991).
27. Klein, M. & Freundl, R. EMBL data bank, accession number X82400 (1994).
28. Spring, T. G. & Wold, F. *Meth. Enzym.* **62**, 323–329 (1975).
29. Xu, F. & Cohen, S. N. *Nature* **374**, 180–183 (1995).
30. Chifflet, S., Torriglia, A., Chiesa, R. & Tolosa, S. *Analyt. Biochem.* **168**, 1–4 (1988).

ACKNOWLEDGEMENTS. We thank T. Willis of OCMS for N-terminal sequencing, and C. Portier for purified PNPase. A.J.C. thanks R. H. Epstein and G. Van Houwe for support and assistance. C.F.H. is a Howard Hughes international research scholar. Research in Toulouse was supported by the Centre Nationale de la Recherche Scientifique, and in Oxford by the Imperial Cancer Research Fund. Additional support was from the BBSRC (to C.F.H.), the Association pour le Recherche sur le Cancer (to H.M.K. and A.J.C.) and the European Union Human and Capital Mobility Program (to C.F.H. and H.M.K.).

CORRESPONDENCE and requests for materials should be addressed to C.F.H. (e-mail: higgins@icrf.icnet.uk).

## CORRECTIONS

### A canine distemper virus epidemic in Serengeti lions (*Panthera leo*)

Melody E. Roelke-Parker, Linda Munson, Craig Packer, Richard Kock, Sarah Cleaveland, Margaret Carpenter, Stephen J. O'Brien, Andreas Pospischil, Regina Hofmann-Lehmann, Hans Lutz, George L. M. Mwamengele, M. N. Mgasa, G. A. Machange, Brian A. Summers & Max J. G. Appel

*Nature* **379**, 441–445 (1996).

In this Letter, we neglected to refer to the paper by T. C. Harder *et al.* (*Vaccine* **13**, 521–523; 1995) which reported canine distemper virus P gene sequences from two Serengeti lions that were victims of the same epidemic as those that were the subject of our Letter. M.J.G.A. and M.E.R.-P. were coauthors of the Harder *et al.* paper, which was published in April 1995, before our paper was submitted to *Nature*. The sequences described in that paper were deposited in GenBank with the accession number Z46431. The sequences are identical in both papers, although they were derived from different lions and in separate laboratories. We regret that we omitted to cite this earlier work. □

### The structure of the *Escherichia coli* EF-Tu·EF-Ts complex at 2.5 Å resolution

Takemasa Kawashima, Carmen Berthet-Colominas, Michael Wulff, Stephen Cusack & Reuben Leberman

*Nature* **379**, 511–518 (1996)

In Fig. 5 of this Letter, Asn329 should be Gln329 (panel *b*), Asp348 should be Glu348 (panel *c*), and His73 should be His78 (*f*). Also, the last citation of ref. 10 in the text should be ref. 11. □

### A comprehensive genetic map of the mouse genome

William F. Dietrich, Joyce Miller, Robert Steen, Mark A. Merchant, Deborah Damron-Boles, Zeeshan Husain, Robert Dredge, Mark J. Daly, Kimberly A. Ingalls, Tara J. O'Connor, Cheryl A. Evans, Margaret M. DeAngelis, David M. Levinson, Leonid Kruglyak, Nathan Goodman, Neal G. Copeland, Nancy A. Jenkins, Trevor L. Hawkins, Lincoln Stein, David C. Page & Eric S. Lander

*Nature* **380**, 149–152 (1996)

OWING to a typographical error, the legend to Table 2 reads "For the autosomes, all of the Z-scores are significant at the  $P = 0.05$  level . . .". It should read "For the autosomes, none of the Z-scores is significant at the  $P = 0.05$  level . . .". □

## ERRATUM

### Modulation of $Ca^{2+}$ channels by G-protein $\beta\gamma$ subunits

Stefan Herlitze, David E. Garcia, Ken Mackie, Bertil Hille, Todd Scheuer & William A. Catterall

*Nature* **380**, 258–262 (1996).

FOR the top panel of Fig. 1*d*, GTP- $\gamma$ S is also included in the intracellular solution as stated in the figure legend, and not GDP- $\gamma$ S as indicated on the figure itself. □