8. Kim, S. H., Kaminker, P. & Campisi, J. TIN2, a new regulator of telomere length in human cells. *Nature Genet.* **23,** 405–412 (1999).
9. Zhou, X. Z. & Lu, K. P. The Pin2/TRF1-interacting protein PinX1 is a potent telomerase inhibitor. *Cell* **107,** 347–359 (2001).
10. Ancelin, K. *et al.* Targeting assay to study the *cis* functions of human telomeric proteins: evidence for inhibition of telomerase by TRF1 and for activation of telomere degradation by TRF2. *Mol. Cell. Biol.* **22,** 3474–3487 (2002).
11. Barnett, M. A. *et al.* Telomere directed fragmentation of mammalian chromosomes. *Nucleic Acids Res.* **21,** 27–36 (1993).
12. Hanish, J. P., Yanowitz, J. L. & de Lange, T. Stringent sequence requirements for the formation of human telomeres. *Proc. Natl Acad. Sci. USA* **91,** 8861–8865 (1994).
13. Sprung, C. N., Reynolds, G. E., Jasin, M. & Murnane, J. P. Chromosome healing in mouse embryonic stem cells. *Proc. Natl Acad. Sci. USA* **96,** 6781–6786 (1999).
14. Sprung, C. N., Sabatier, L. & Murnane, J. P. Telomere dynamics in a human cancer cell line. *Exp. Cell Res.* **247,** 29–37 (1999).
15. Marcand, S., Gilson, E. & Shore, D. A protein-counting mechanism for telomere length regulation in yeast. *Science* **275,** 986–990 (1997).
16. Evans, S. K. & Lundblad, V. Positive and negative regulation of telomerase access to the telomere. *J. Cell Sci.* **113,** 3357–3364 (2000).
17. Baumann, P. & Cech, T. R. Pot1, the putative telomere end-binding protein in fission yeast and humans. *Science* **292,** 1171–1175 (2001).
18. Baumann, P., Podell, E. & Cech, T. R. Human Pot1 (protection of telomeres) protein: cytolocalization, gene structure, and alternative splicing. *Mol. Cell. Biol.* **22,** 8079–8087 (2002).
19. de Lange, T. Telomere capping—one strand fits all. *Science* **292,** 1075–1076 (2001).
20. Mitton-Fry, R. M., Anderson, E. M., Hughes, T. R., Lundblad, V. & Wuttke, D. S. Conserved structure for single-stranded telomeric DNA recognition. *Science* **296,** 145–147 (2002).
21. van Steensel, B., Smogorzewska, A. & de Lange, T. TRF2 protects human telomeres from end-to-end fusions. *Cell* **92,** 401–413 (1998).
22. Li, B., Oestreich, S. & de Lange, T. Identification of human Rap1: implications for telomere evolution. *Cell* **101,** 471–483 (2000).
23. Zhu, X. D., Kuster, B., Mann, M., Petrini, J. H. & Lange, T. Cell-cycle-regulated association of RAD50/MRE11/NBS1 with TRF2 and human telomeres. *Nature Genet.* **25,** 347–352 (2000).
24. Smith, S., Giriat, I., Schmitt, A. & de Lange, T. Tankyrase, a poly(ADP-ribose) polymerase at human telomeres. *Science* **282,** 1484–1487 (1998).
25. Cook, B. D., Dynek, J. N., Chang, W., Shostak, G. & Smith, S. Role for the related poly(ADP-Ribose) polymerases tankyrase 1 and 2 at human telomeres. *Mol. Cell. Biol.* **22,** 332–342 (2002).
26. Griffith, J. D. *et al.* Mammalian telomeres end in a large duplex loop. *Cell* **97,** 503–514 (1999).
27. Lei, M., Baumann, P. & Cech, T. R. Cooperative binding of single-stranded telomeric DNA by the Pot1 protein of *Schizosaccharomyces pombe*. *Biochemistry* **41,** 14560–14568 (2002).
28. Karlseder, J., Smogorzewska, A. & de Lange, T. Senescence induced by altered telomere state, not telomere loss. *Science* **295,** 2446–2449 (2002).
29. de Lange, T. *et al.* Structure and variability of human chromosome ends. *Mol. Cell. Biol.* **10,** 518–527 (1990).

Supplementary Information accompanies the paper on **www.nature.com/nature**.

Acknowledgements We are grateful to J. Ye for providing numerous critical reagents for these studies. H. Parsons provided excellent technical assistance. Members of the de Lange laboratory are thanked for comments on this work. This work was supported by a grant from the NIH. D.L. is a recipient of an Ann Siegel Postdoctoral fellowship from the ACS.

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

Correspondence and requests for materials should be addressed to T.d.L. (delange@mail.rockefeller.edu).

corrigendum

Selection of evolutionarily conserved mucosal-associated invariant T cells by MR1

Emmanuel Treiner, Livine Duban, Seiamak Bahram, Mirjana Radosavljevic, Valerie Wanner, Florence Tilloy, Pierre Affaticati, Susan Gilfillan & Olivier Lantz

Nature **422**, 164–169 (2003).

Owing to mislabelling by the mouse provider, the strain of mice used as a control in the experiment shown in Fig. 4 was not C3H/HeJ but C3H/HeOu. C3H/HeJ have a defect in TLR4-mediated signalling that the other C3H strains do not have. This correction does not affect our conclusions. □

addendum

Non-classical receptive field mediates switch in a sensory neuron's frequency tuning

Maurice J. Chacron, Brent Doiron, Leonard Maler, André Longtin & Joseph Bastian

Nature **423**, 77–81 (2003).

In this Letter, we inadvertently omitted to give the species name, *Apteronotus leptorhynchus* (brown ghost knife-fish), of the weakly electric fish used in our study. □