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Erratum

Erratum to "Cell-cycle and developmental regulation of TbRAB31 localisation, a GTP-locked Rab protein from *Trypanosoma brucei*" [Mol. Biochem. Parasitol. 106 (2000) 21–35]☆

Helan Field [a], Trevor Sherwin [b], Aden C. Smith [c], Keith Gull [b], Mark C. Field [a,*]

[a] *Wellcome Trust Laboratories for Molecular Parasitology, Department of Biochemistry, Imperial College of Science, Technology and Medicine, Exhibition Road, London SW7 2AY, UK*

[b] *School of Biological Sciences, Stopford Building, University of Manchester, Oxford Road, Manchester M13 9PT, UK*

[c] *Department of Infectious and Tropical Diseases, London School of Hygiene and Tropical Medicine, Keppel Street, London WC1E 7HT, UK*

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The Publisher regrets that Fig. 2 of the above article was incompletely published. Fig. 2 as it should have appeared can be seen of the following pages.

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* Corresponding author. Tel.: +44-171-5945277; fax: +44-171-5945207.

E-mail address: m.field@ic.ac.uk (M.C. Field)

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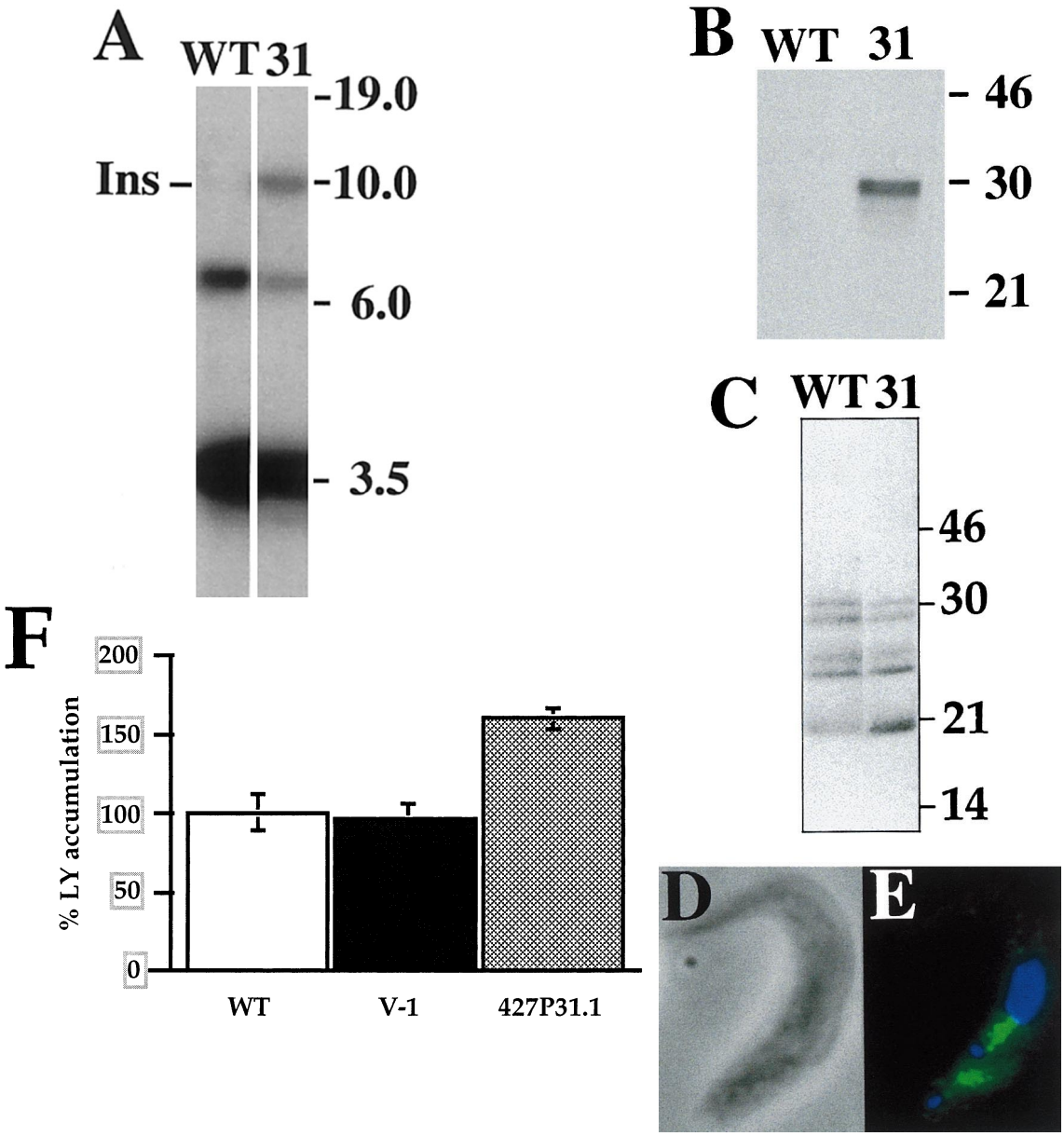

Fig. 2. TbRAB31 overexpression in 427P31.1 cells. (A) Southern blot of genomic DNA from wild type cells (WT), or a cloned cell line, 427P31.1 (31) transformed with pXS219myc.*TbRAB31*. Genomic DNA from each cell type was digested with BamHI and probed for insertion into the tubulin locus with a tubulin DNA probe detecting last relative to the β gene 3′ end. Moecular weight markers are in kilobase pairs (right). The βα…βα′ tubulin array was divided into 3.5 kb fragments by BamHI cutting the β gene [44]. The 6 kb band represents the tubulin gene from the 3′ end of the cluster (the last β gene is truncated before the BamHI site thus increasing the size of this fragment [45]). Insertion of the *TbRAB31*-containing plasmid into the allelic 6 kb fragment results in production of a ~10 kb fragment, and concomitantly reduces the intensity of that band (lane 31). (B) Western blot of 10^7 wild type (WT) or 427P31.1 (31) procyclic trypanosomes lysed in boiling SDS–PAGE sample buffer and electrophoresed on 15% reducing SDS–PAGE gels, blotted and probed with affinity purified antibodies to TbRAB31. (C) The GTP binding profile of trypanosome proteins is not significantly altered in 427P31.1 cells compared to wild type. 10^7 trypanosomes were lysed in boiling SDS–PAGE sample buffer, fractionated on reducing SDS–PAGE and renatured before blotting onto nitrocellulose and incubating with [^{32}P]-GTP and unlabelled ATP. Proteins binding GTP were detected by autoradiography. Excess unlabelled GTP eliminated all the signal (not shown). (D, E) IFA of TbRAB31 in a 427P31.1 cell: phase contrast (D); merge of TbRAB31 (green) and DNA (blue) stains (E). This cell is at an equivalent stage in the cycle to the cell shown in Fig 4O and P. TbRAB31 stain appears larger and less discrete in cells overexpressing TbRAB31 but division and movement during the cell cycle are the same as in wild type cells, and movements remain distinct from and coordinated with the basal body complex (not shown). (F) LY uptake of procyclic tryanosomes overexpressing TbRAB31. LY uptake assays were performed as described (Section 2). Quadruplet samples were taken for the assay presented. The experiment was done at least three times in triplcate and the increase in LY uptake with overexxpression of