Joubert syndrome Arl13b functions at ciliary membranes and stabilizes protein transport in *Caenorhabditis elegans*

Sebiha Cevik, Yuji Hori, Oktay I. Kaplan, Katarzyna Kida, Tiina Toivenon, Christian Foley-Fisher, David Cottell, Toshiaki Katada, Kenji Kontani, and Oliver E. Blacque

Vol. 188 No. 6, March 22, 2010. Pages 953–969.

An incorrect version of Fig. 5 appears in this article. Corrected panels A–C appear below.

The html and pdf versions of this article have been corrected. The error remains only in the print version.

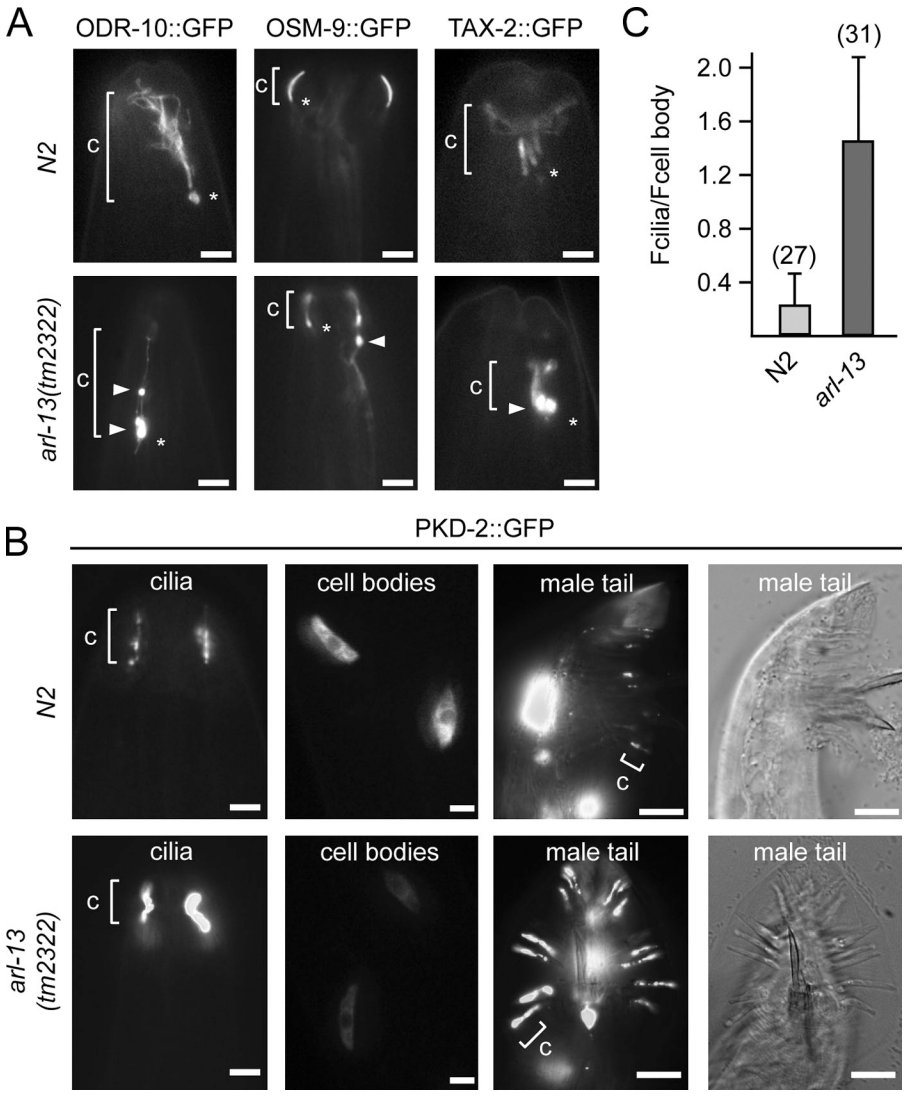

Figure 5. **Ciliary transmembrane protein localization is disrupted in *arl-13(tm2322)* mutants.** (A and B) Representative fluorescence images of the distal head region (nose) of worms expressing *gfp*-tagged ODR-10, OSM-9, TAX-2, and PKD-2 are shown. In *tm2322* mutants, abnormal accumulations (arrowheads) are found in ciliary axonemes (ODR-10), near the ciliary base (ODR-10 and TAX-2; asterisks), or within the distal dendrite (OSM-9; arrowhead). In *tm2322* mutants, PKD-2::GFP ciliary abundance is elevated in CEM and RnB cells, with cell body levels reduced (shown for CEMs). c, cilium. (C) Analysis of PKD-2::GFP ciliary abundance in CEM cells. The ratio of PKD-2::GFP signal intensities in individual CEM cilia (F_{cilia}) and individual CEM cell bodies ($F_{cell\ body}$) is shown. All images were captured and analyzed using identical settings. The number of cilia analyzed is shown in parentheses. Error bars indicate SEM. Bars: (A and B [first and second columns]) 2 µm; (B, third and fourth columns) 10 µm.