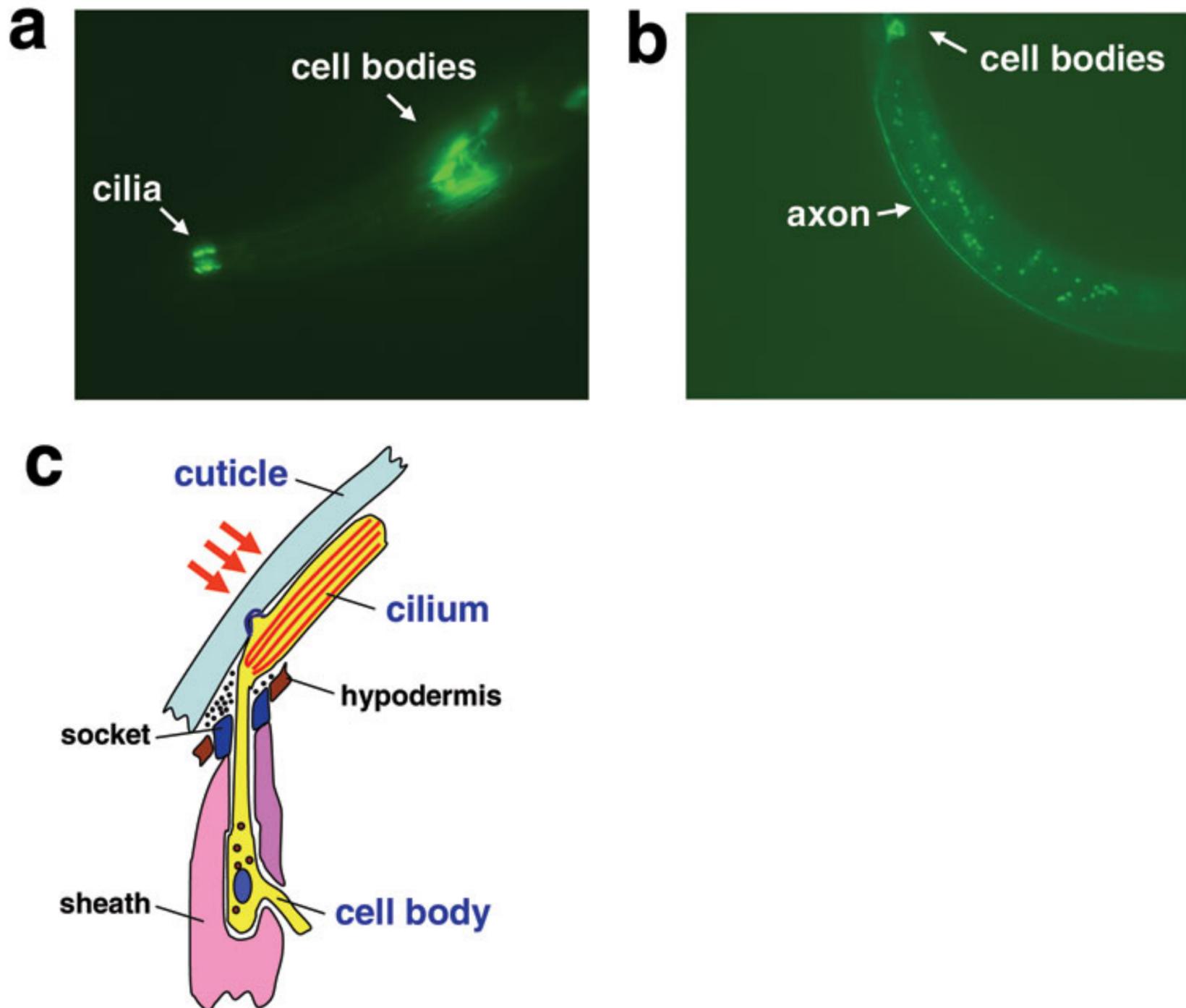


Xu_Figure S1 (Nature #2005-07-07913C) in Postscript (PC format)



Supplementary figure 1. TRP-4 expression pattern.

(a) The TRP-4 protein is enriched in the cilia of dopamine neurons. Shown is a fluorescence image of a L1 hermaphrodite expressing functional TRP-4::YFP. TRP-4 is also consistently expressed in PDE (not shown here). We also observed some inconsistent expression in vulva muscles and inner labial neurons in some lines.

(b) Expression of TRP-4 in DVA and DVC. Shown is a fluorescence image of a L1 hermaphrodite expressing functional TRP-4::YFP.

(c) A schematic drawing of the dopamine neuron CEP (adapted from ⁷). The arrows indicate the mechanical force imposed by the surface material on which the animal navigates.