**Figure S2.** — *C. elegans* TRP phylogeny. Phylogeny of *C. elegans* (Ce) transient receptor potential (TRP) channels, with *D. melanogaster* (Dm) and vertebrate TRPs for comparison. Inset shows five closely related *C. elegans* TRPMs. Tree was rooted using *Bacillus pseudofirmus* (Bp) NaChBac and *H. sapiens* (Hs) CACNA1B (N-type voltage-gated calcium channel), SCN11A (voltage-gated sodium channel), and CATSPER1. Vertebrate TRPs are *H. sapiens* (Hs), except for TRPC2 (*M. musculus*, Mm) and TRPN1 (*D. rerio*, Dr). (Hs TRPC2 is a pseudo gene and there is no mammalian ortholog of TRPN1.) CACNA1B and SCN11A contain 24 transmembrane or TM domains; only the TMs indicated were used. Internal branches are labeled with bootstrap percentages. Branches with bootstrap percentages below 55% are unlabeled. Scale bar is 0.8 substitutions per site for main phylogeny, 0.3 for inset.