

SUPPLEMENTAL MATERIAL

UNC119 is required for G protein trafficking in sensory neurons

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Inventory

Supplemental Table 1

UNC119 Crystallographic Data and Refinement Statistics

Supplemental Table 2

Comparison of the RMSD values for each of the six UNC119 chains and their associated ligands.

Supplemental Figures

Figure S1 Comparison of UNC119, PrBP/ δ , and RhoGDI structures

Fig. S1A. Greek key motif of the β -sandwich fold common to the three structures

Fig. S1B. Ribbon representation of the geranylgeranyl binding protein RhoGDI (1DOA) and the prenyl binding protein PrBP/ δ (1KSH)

Fig. S1C. Sequence alignment of human UNC119, PrBP/ δ , and RhoGDI

Fig. S2 Structural alignment of UNC119 with PrBP/ δ and RhoGDI

Fig. SA,B. Structural alignment of UNC119 with PrBP/ δ and RhoGDI

Fig. S2C. Electron density surrounding the lauroyl-T α peptide

Fig. S3. Overlap of the UNC119 carbon- α coordinates and associated ligands

Fig. S4 A–J. ODR-3 and GPA-13 trafficking defects in mutant *C. elegans* olfactory neurons