

Fig S1. Expressed hND1mCherry is assembled into complex I

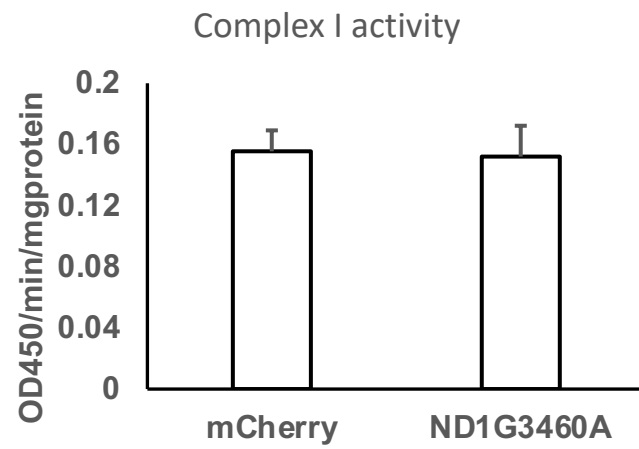
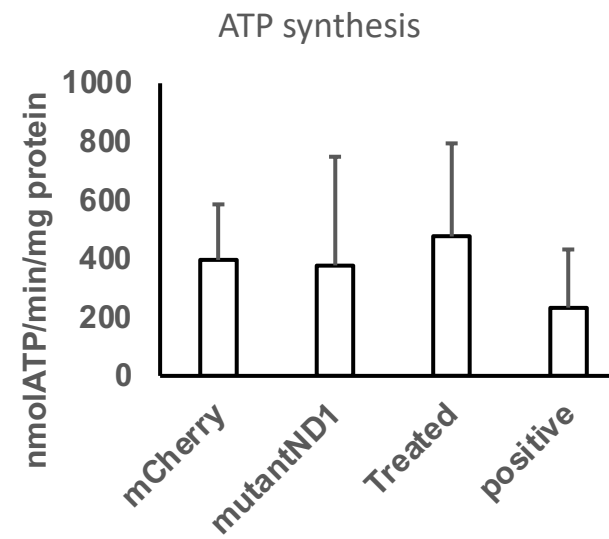
A**B**

Fig S2. Respiration function in the retina. (A. two-tailed t-tests, B. one-way ANOVA analysis of variance; Tukey's multiple comparisons tests)

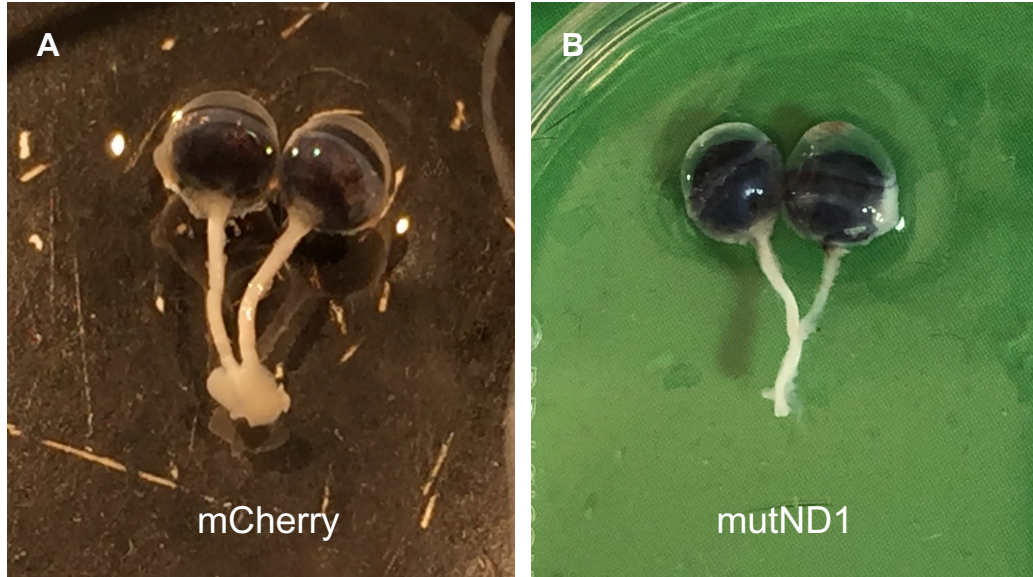


Fig S3. mutant ND1 induce thinning of the entire optic nerve 15 months after injection

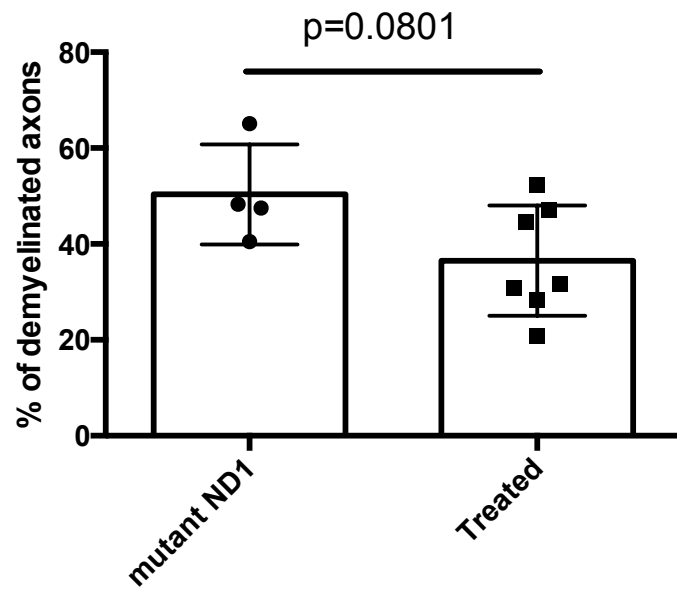


Fig S4. mutant ND1 tends to induce more axon demyelinated (two-tailed t-tests)

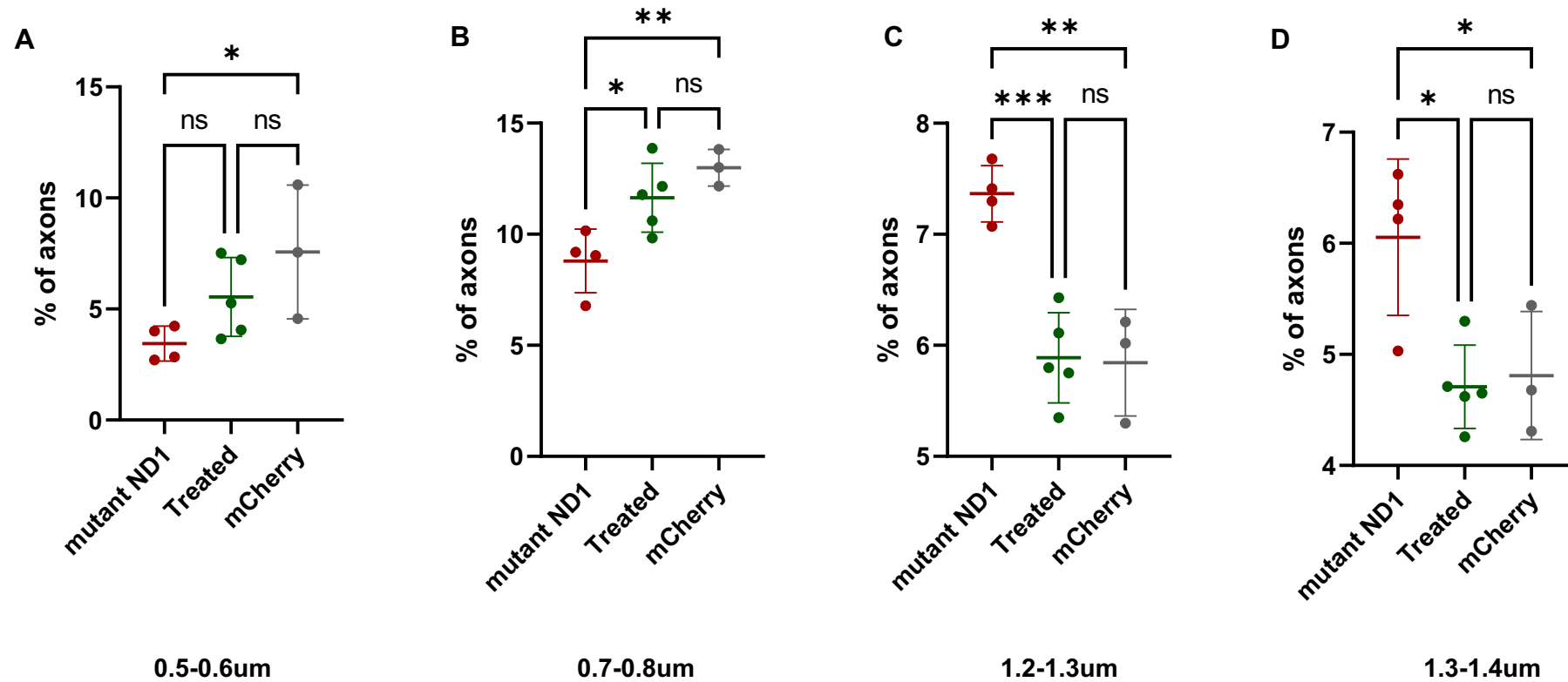


Fig S5. mutant ND1 induce small axon loss and axon swollen (one-way ANOVA analysis of variance; Tukey's multiple comparisons tests)