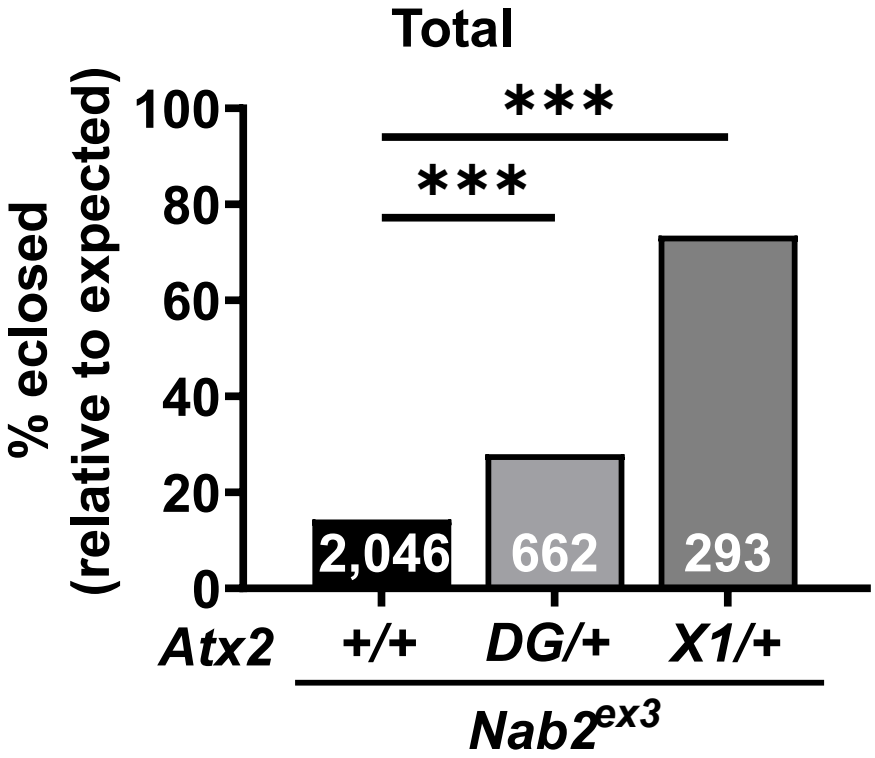

Figure S1 (Associated with Figure 1). Heterozygosity for either *Atx2* loss-of-function allele suppresses effects of *Nab2*^{ex3} for the progeny population in total, partially restoring adult viability. Flies lacking functional endogenous *Nab2*, *Nab2*^{ex3} homozygotes, demonstrate dramatically decreased adult viability, as quantified by the percentage of flies reaching pupal eclosion and adulthood out of the amount expected by Mendelian inheritance. When flies are considered irrespective of sex, heterozygosity for either loss-of-function allele of *Atx2*—*Atx2*^{DG08112} or *Atx2*^{X1}—significantly suppresses this effect, partially rescuing viability. Sample sizes (n) are reported in each bar and include all F1 progeny scored, including genetically distinct siblings of the genotype of interest used to calculate *% eclosed (relative to expected)*. Fisher's Exact Test (two-sided) was used to assess statistical significance. ***=p<0.001.