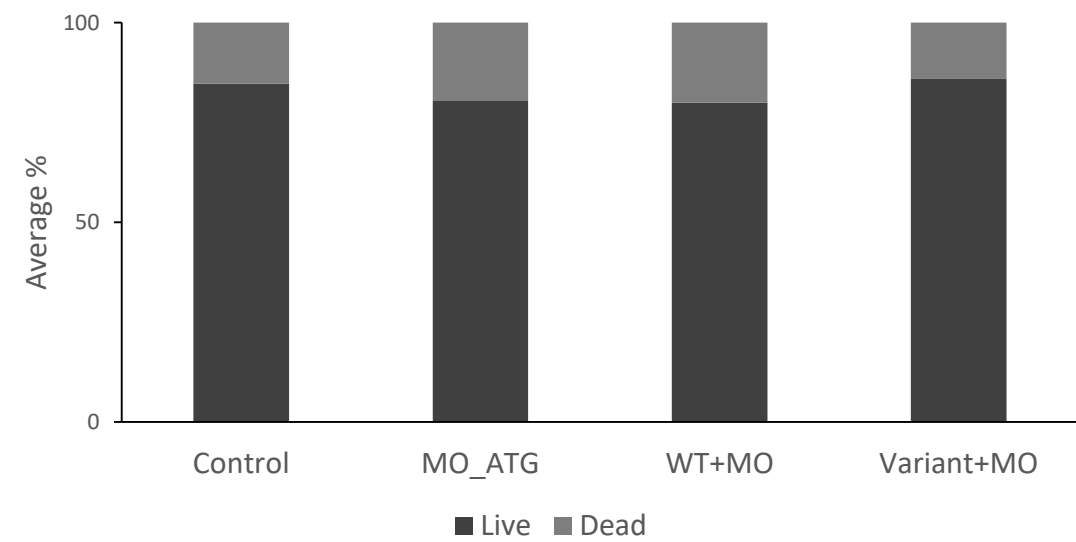


**Figure S1. Effect on zebrafish survival and hatching rates after Human mRNA *MYO6* co-injections with morpholino targeting zebrafish *myo6a* ATG translation blocking site:**

**A.** Injection of MO\_ATG, Human *MYO6*<sup>WT</sup> and *MYO6*<sup>p.E60Q</sup> variant had no effect on zebrafish survival rate at 24 hours post fertilization (hpf), p-value < 0.54. **B.** Injection of MO\_ATG, *MYO6*<sup>WT</sup> and *MYO6*<sup>p.E60Q</sup> variant had negative effect on hatching rate at 72 hpf, p-value < 0.00001. Total number of experiments= 4, Number of embryos injected were ~50-100 embryos for each examined group. Statistical analysis performed using Chi-square comparison.

**A.** Survival rate at 24 hpf



**B.** Hatching rate at 72 hpf

