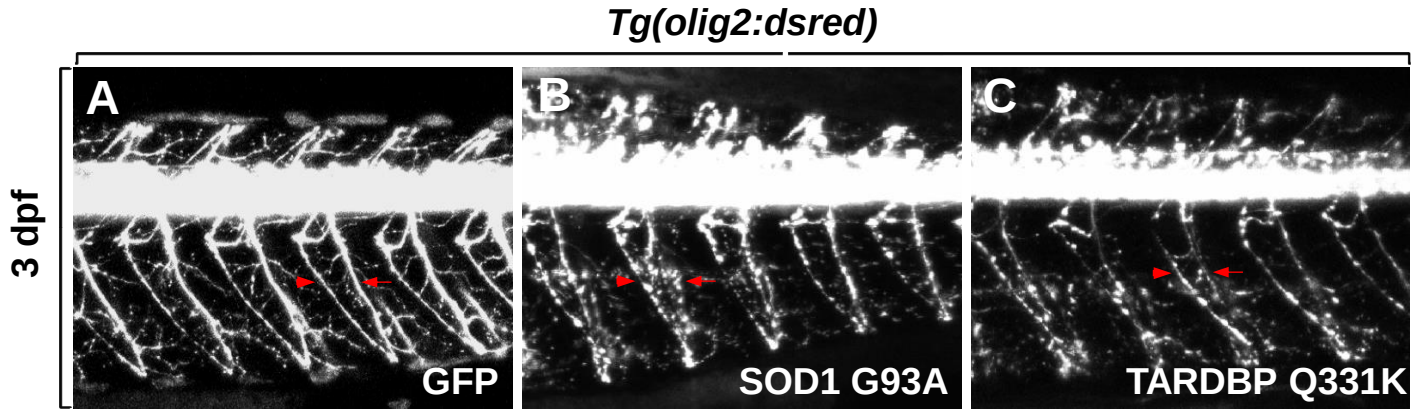
**Supplemental Figure 9**




**Supplemental Figure 9. Overexpression of SOD1 and TARDBP mutants causes motor axonopathy in the spinal cord of zebrafish embryo.** All panels show lateral views of the spinal cord of *Tg*(*olig2:dsred2*) embryos, with anterior to the left and dorsal to the top. Motor axons (arrows) and neuromuscular junctions (NMJs, arrowheads) were detected with DsRed fluorescence protein expression. (A) Visualization of motor axons in the *egfp* mRNA-injected control embryos. (B, C) Injection of mRNA for SOD1 G93A (B) and TARDBP Q331K mutants (C) into the *Tg*(*olig2:dsred2*) embryos. Axonal defects are represented by axonal swelling and degeneration.