**Figure S2**  *D. rerio rpl10 locus and characterization of morpholinos.** (A) Schematic of the zebrafish *rpl10* locus. Blue, exons; dashed lines, introns; white, untranslated regions; red boxes, morpholinos (MOs); tb, translation blocker; sb, splice blocker; ATG indicates the translational start site; green arrows, RT-PCR primers; number indicates the targeted exon (59 bp). (B) Agarose gel images of *rpl10* RT-PCR products in morphants and age matched controls. *rpl10* sb results in skipping of exon 2 encoding a premature stop codon, p.C8X. (C) *tb*-MO titration curve; for panels D and E, embryos were scored qualitatively as normal or abnormal at 2 dpf (n=50 embryos/injection; masked scoring. Both MOs produced a dose-dependent response. (E) Live larval images of control (top) and *rpl10* sb-MO injected embryos (bottom) at 5 dpf; right panels show dorsal views and reduced head size in sb morphants similar to those injected with tb-MO. Scale bars, 500 µm.