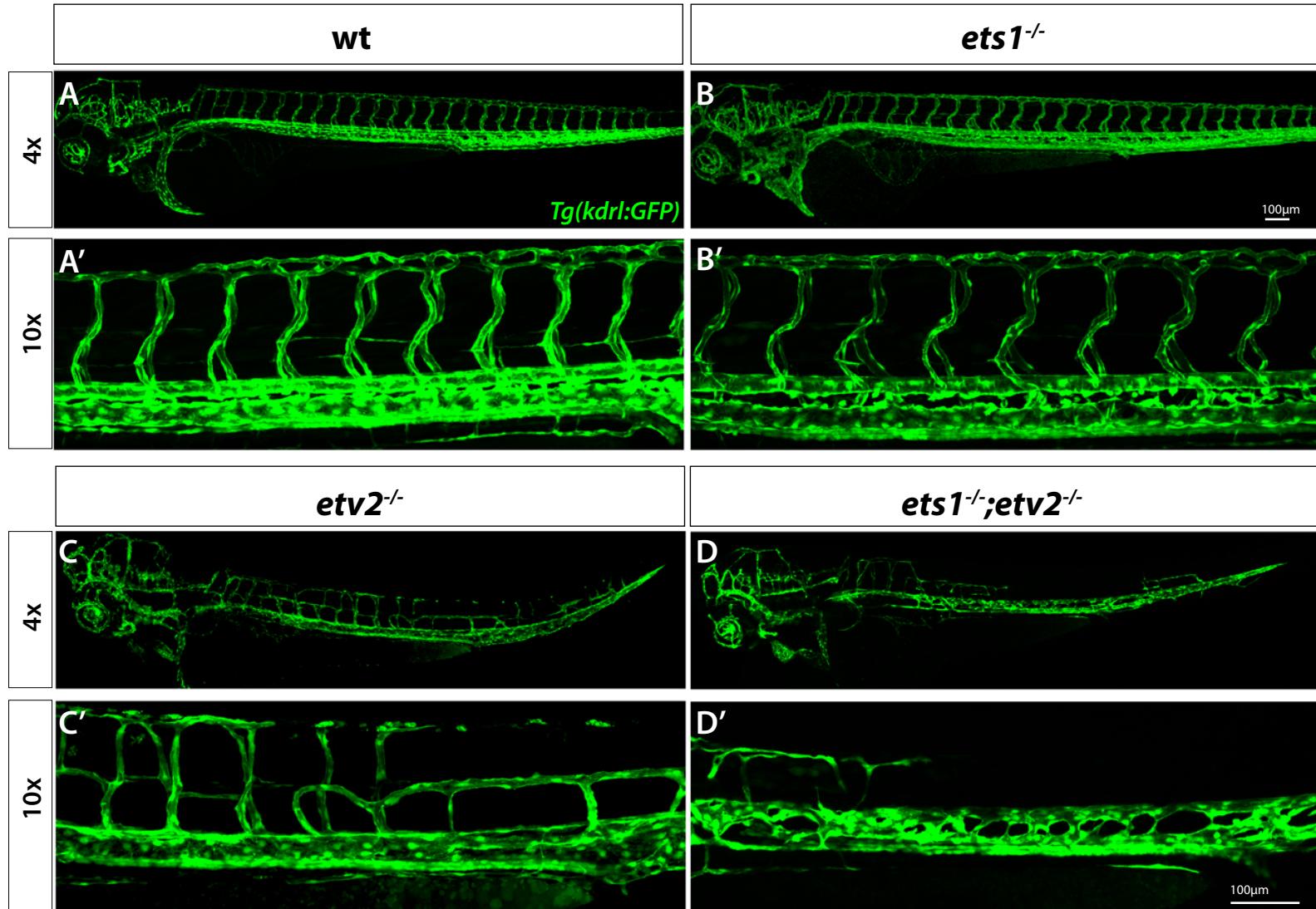


Supplemental Figure S1. Generation of *ets1^{c14}* mutants and analysis of *ets1* expression. (A) DNA sequencing chromatogram shows the 5 bp TCTGG deletion in *ets1^{c14}* mutants. (B) Alignment between predicted mutant and wild-type Ets1 protein sequences. Note the severely truncated Ets1 mutant protein (underlined in red). (C) Schematic of wild-type Ets1 protein domain structure and predicted phosphorylation sites. Note the Pointed (PNT) and DNA binding ETS domains. The truncated protein in the *ets1^{c14}* mutant lacks both the PNT and ETS domains. (D) qPCR analysis of *ets1* expression in *ets1^{c14}* mutants at 15-somite stage (15 ss) and 24 hpf. Note the persistent expression of *ets1* in the mutants. (E,F) In situ hybridization for *ets1* in wildtype and *ets1^{c14}* embryos at 24 hpf. Note the presence of the *ets1* transcript in *ets1^{c14}* embryos.



Supplemental Figure S2. *ets1*^{-/-}; *etv2*^{-/-}embryos display severe vascular defects compared to *etv2*^{-/-} embryos.
 (A-D') Confocal micrographs of 80 hpf *Tg(kdrl:GFP)* wild-type, *ets1*^{-/-}, *etv2*^{-/-} and *ets1*^{-/-}; *etv2*^{-/-} embryos. Note the severe vascular defects in *ets1*^{-/-}; *etv2*^{-/-} embryos compared to the *etv2*^{-/-} embryos

