



Supplementary information, Figure S3 *gpr183* is expressed in the hemogenic endothelium (HE) after 24 hpf, and is essential for adult hematopoiesis in zebrafish. (A) Time-course expression of *gpr183* ranging from one-cell stage to 36 hpf shows that *gpr183* is not expressed before 24 hpf. (B) Frozen sections of the embryos after WISH show that *gpr183* is expressed in the AGM at about 26 hpf. (C) *gpr183* expression in sorted ECs, HEs and HSPCs at 28 hpf by qPCR. Error bar, \pm s. d. * $p < 0.05$, *** $p < 0.001$. (D) *gpr183* expression using double fluorescence in situ hybridization (dFISH) in 30 hpf Tg(*fli1a*:eGFP) embryo. (E) *gpr183* is not expressed in *gpr183^{-/-}* embryos.