



Supplementary information, Figure S1 *Tg(runx1:en-GFP)* can recapitulate *runx1* endogenous expression in vivo. (A) Scheme of generation of the stable transgenic fish line. (B) GFP signals in *Tg(runx1:en-GFP)* embryos decreased after injecting *runx1* MO. Red arrowheads denote the GFP⁺ cells, and red dashed cycles mark the thymus region. (C) Heatmap analysis of the known genes involved in hematopoietic or vascular development.