

## Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: **Representative video of *kdr/kdr1* morphants with intact blood circulation.**

Left: Video of bright field z-stack taken from un-injected control embryo at 3 dpf showing circulating blood cells. Right: Representative video of bright field z-stack taken from *kdr/kdr1* MO injected embryo at 3 dpf showing blood circulation.