**Supplemental Figure 1 Legned**

**Supplemental Figure 1, The morphology and body length of wild type and gcgr mutant fish.**

**A,** The representative images of *gcgr-/-* and wild type zebrafish in different stages. Wild type and *gcgr-/-*zebrafish embryos were monitored from 1 dpf to 7dpf, and images were taken under 1,3,5,7 dpf. B, the body length comparison between wild type and *gcgr-/-* zebrafish from 3 dpf to 7 dpf. The larval body length was measured using plotting scale tool in the Leica Application Suite X (LAS X) software. Results are means with standard errors (n=15). NS, no significance.