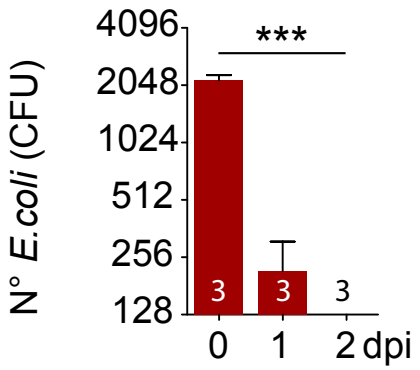
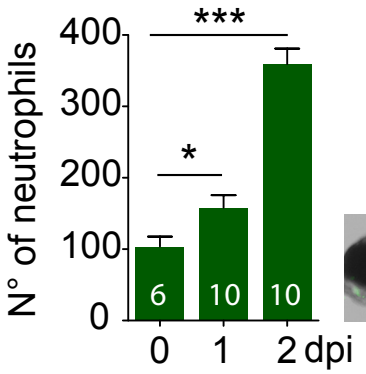
E. coli-DsRed injected in *tg(mpx:GFP)*

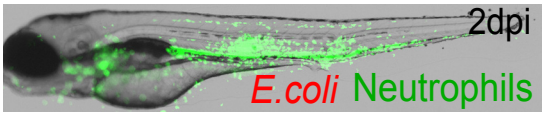
A

Low dose VS Normal neutrophil density



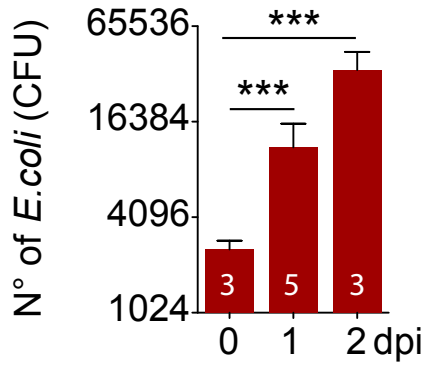


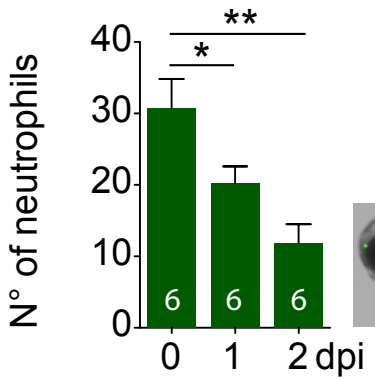
Bacterial clearance
Enhanced granulopoiesis
Survival



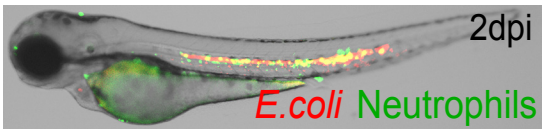
B

Low dose VS Low neutrophil density_MO *csf3r*



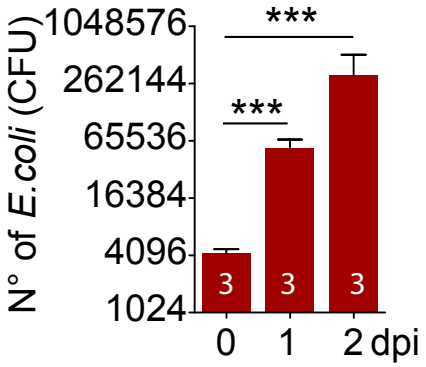


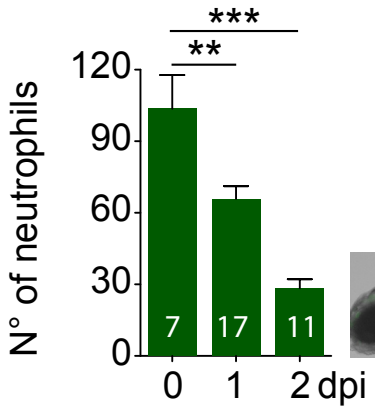
Bacterial proliferation
Neutropenia
Death at 2-3dpi



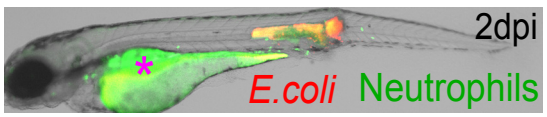
C

High dose VS Normal neutrophil density



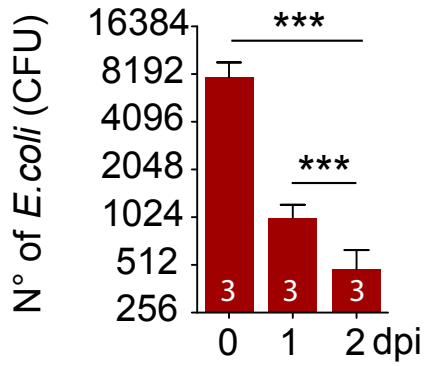


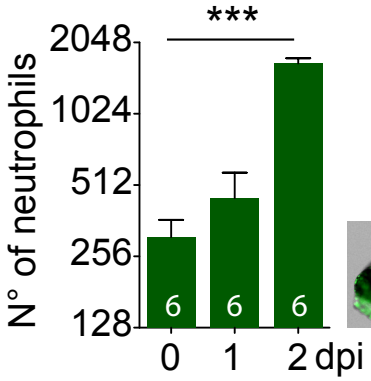
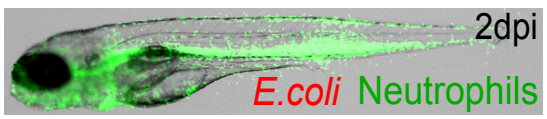
Bacterial proliferation
Neutropenia
Death at 2-3dpi



D

Very high dose VS High neutrophil density_*gcsfa* over expression





Bacterial clearance
Enhanced granulopoiesis
Survival