

Grünwald Giemsa. Scale bars (left) represent 100 um.



Supplementary Figure 2

Blood collection from euthanized carp.

Needle should be positioned perpendicularly to the ventral surface and in the midline between pectoral fins. Pull the syringe plunger out to collect the blood.



Supplementary Figure 3

Plucking colony from methylcellulose using fine 30ul tip.

Find the colony, to be plucked out from the methylcellulose. Use the 30ul tip and reach the bottom of the plate. Move the tip above the colony and suck off the colony inside the tip using the pipetman. Photomicrograph was taken at original magnification x40, scale bar represents 500um.



Experimental strategy for recombinant protein expression using E. coli or baculovirus expression system.

Amplify the mature coding sequence (red box) using polymerase chain reaction (PCR). Ligate the PCR product into the prokaryotic expression vector pQE. This leads to introduction of 6xHis sequence within the CDS (violet box). Optionally use EcoRI and PstI restriction enzymes to transfer the insert containing 6xHis and mature CDS into the baculovirus expression vector pAcGP67.