

Figure S2. PVF location in the embryo and isolation technique. (a) A zebrafish blastula shows the perivitelline space that contains the PVF where the embryo develops. To isolate the PVF, (b) embryos in their chorions are placed in a clean and smooth glass surface and all the remaining liquid is aspirated, then (c) the chorion is mechanically broken to release the PVF, (d) which is collected with a micropipette and placed in a centrifuge tube on ice and stored at -80°C for no longer than two weeks before functional analysis.

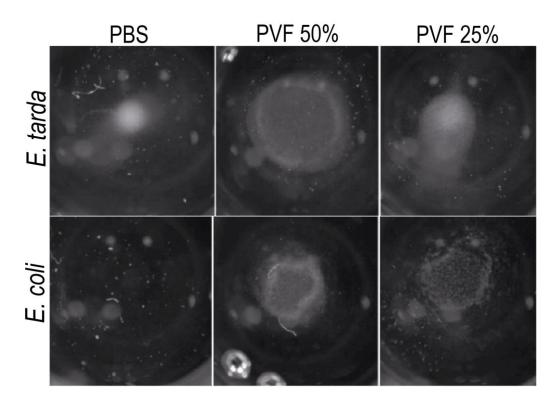


Figure S3. PVF agglutinates bacteria. The serological test in multiwell plates confirms the agglutination reaction observed by fluorescent microscopy with *E. coli*; this reaction also occurs with *E. tarda* cells in the presence of diluted PVF. Images were taken after four hours of incubation at 28°C. The formation of a bacterial mat on the bottom of the well is an indicator of a positive agglutination reaction.