

Supplementary materials

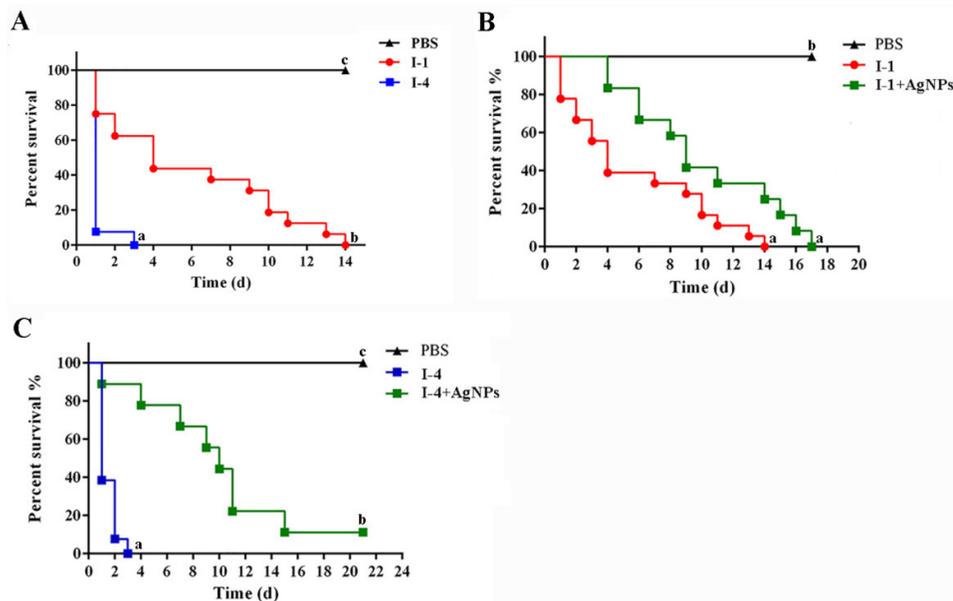


Figure S1. The cumulative mortalities of the goldfishes challenged by I-1 and I-4 with or without silver nanoparticles. (A) The cumulative mortalities of goldfishes challenged by I-1 and I-4 were recorded during 15 days. In the injected experiment, (B) the cumulative mortalities of the fish were recorded in PBS, I-1, and I-1+AgNPs groups and (C) the cumulative mortalities of the fish were recorded in PBS, I-4, and I-4+AgNPs groups during one month. The experiments were repeated for 3 times, and significant differences at $P < 0.05$ were showed as the different lowercase letters, respectively.