Abstract Template

Title: Maternal antibody transfer from broodstock to eggs and larvae in Tiger grouper (*Epinephelus fuscoguttatus)*

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Keywords: Maternal anitbody, *Vibrio harveyi*, Tiger grouper, *Epinephelus fuscoguttatus*, specific antibody, lysozymes

I. Abstract

Maternal antibodies from Tiger grouper (*Epinephelus fuscoguttatus*) broodstocks to eggs and larval were evaluated following vaccination with inactivated *Vibrio harveyi*. Tiger grouper broodstock (mean BW 8.66 ± 0.09 kg, n=19) were immunised intraperitoneally (IP) and followed by a booster two weeks post vaccination, while control non-immunised broodstock were injected IP with PBS. The serum antibody level against *V.harveyi* was monitored two weeks post vaccination and monthly up to 5 months post vaccination. This study showed that immunized broodstock showed significantly ($P<0.05$) higher in specific IgM antibody level against *V. harveyi* as compared to control, which in turn induced a marked increased ($p<0.05$) in specific antibody in their eggs and larvae. The lysozymes activity also showed a significant higher ($P<0.05$) in broodstocks and their eggs throughout 5 months study. While in larvae, lysozymes level only showed a siginificant higher ($P<0.05$) in 3th month post vaccination post vaccination. The findings from this study suggested inactivated *V.harveyi* vaccines able to stimulate the immune response in broodstock and passively transferred to their eggs and larvae.

II. Image:



III. Reference:

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IV. Biography:

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