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Evaluation of DNA vaccination of spotted sand bass (*Paralabrax maculatofasciatus*) with two major outer-membrane protein-encoding gene from *Aeromonas veronii*

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Genes encoding two major outer membrane proteins (OMPs) of the bacterial pathogen *Aeromonas veronii*, Omp38 and Omp48, were used to construct DNA vaccines. The protective effect of such vaccines against motile aeromonad septicaemia was evaluated in spotted sand bass (*Paralabrax maculatofasciatus*), an endemic species of the Mexican Northwest Pacific coast and a potential resource for the aquaculture industry. Weak protein expression, as determined by immunoblotting, was observed after transfection of eukaryotic cells with the DNA vaccines. Fish immunized with a single intramuscular injection of 20

Palabras clave: Spotted sand bass, *Paralabrax maculatofasciatus*, Genetic immunization, Immune response, Outer membrane proteins, Bacterial antigens, *Aeromonas* spp, Fish immunology

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