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Sterigmatomyces halophilus β -glucan improves the immune response and bacterial resistance in Pacific red snapper (*Lutjanus peru*) peripheral blood leucocytes: *In vitro* study

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Sterigmatomyces halophilus \(\beta\)-glucan improves the immune response and bacterial resistance in Pacific red snapper (Lutjanus peru) peripheral blood leucocytes: In vitro 2 study 3 4 Martha Reyes-Becerril^{a#}, Francisco A. Guardiola^{b#}, Veronica Sanchez^a, 5 Maldonado^a, Carlos Angulo^a* 6 7 ^aImmunology & Vaccinology Group. Centro de Investigaciones Biológicas del Noroeste 8 (CIBNOR), Av. Instituto Politécnico Nacional 195, Playa Palo de Santa Rita, La Paz, 9 B.C.S. 23096, México. 10 ^bCentro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR), University of 11 Porto, Terminal de Cruzeiros do Porto de Leixões, Av. General Norton de Matos s/n, 4450-12 208, Porto, Portugal. 13 14 # These authors contributed equally to the work presented in this paper. 15 16 *Corresponding author: E-mail address: eangulo@cibnor.mx. Tel: +52 6121238484. 17 18

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