

Estrategia de vacunación contra *Piscirickettsia salmonis* basada únicamente en el genogrupo EM-90 muestra protección cruzada incompleta para el genogrupo LF-89

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- Bravo, F., Sidhu, J., Bernal, P., Bustamante, R., Condie, S., Gorton, B., Herzfeld, M., Jimenez, D., Mardones, F., Rizwi, F. & Steven, A. 2020. Hydrodynamic connectivity, water temperature, and salinity are major drivers of piscirickettsiosis prevalence and transmission among salmonid farms in Chile, Aquacult. Env. Interac., 12: 263-279.
- Karatas, S., Mikalsen, J., Steinum, T., Taksdal, T., Bordevik, M. & Colquhoun, D. 2008. Real time PCR detection of *Piscirickettsia salmonis* from formalin-fixed paraffin-embedded tissues, J. Fish Dis., 31: 747-53.
- Rozas, M. & Enriquez, R. 2014., Piscirickettsiosis and *Piscirickettsia salmonis* in fish: a review, J. Fish Dis., 37:163-88.
- Rozas-Serri, M., Pena, A. & Maldonado, L. 2018. Transcriptomic profiles of post-smolt Atlantic salmon challenged with *Piscirickettsia salmonis* reveal a strategy to evade the adaptive immune response and modify cell-autonomous immunity. Dev. Comp. Immunol., 81: 348-362.
- Rozas-Serri, M., Pena, A., Gardner, I., Penaloza, E., Maldonado, L., Muñoz, A., Mardones, F., Rodriguez, C., Ildefonso, R., Senn, C. & Araniz, F. 2023. Co-Infection by LF-89-Like and EM-90-Like Genogroups of *Piscirickettsia Salmonis* in Farmed Atlantic Salmon in Chile: Implications for Surveillance and Control of Piscirickettsiosis, Pathogens, 12: 450.
- Schober, I., Bunk, B., Carril, G., Freese, H., Ojeda, N., Riedel, T., Meier-Kolthoff, J., Goker, M., Sproer, C., Flores-Herrera, P., Nourdin-Galindo, G., Gomez, F., Cardenas, C., Vasquez-Ponce, F., Labra, A., Figueroa, J., Olivares-Pacheco, J., Nubel, U., Sikorski, J., Marshall, S. & Overmann, J. 2023. Ongoing diversification of the global fish pathogen *Piscirickettsia salmonis* through genetic isolation and transposition bursts. ISME J., 17: 2247-2258.
- Sernapesca, 2023. Informe Sanitario De La Salmonicultura En Centros Marinos Año 2023 [https://www.sernapesca.cl/app/uploads/2024/09/Informe-Sanitario-ANO-2023.pdf]