

Supplementary Material

Establishing the signal above the noise: Accounting for an environmental background in the detection and quantification of salmonid environmental DNA

Hocking, M.D.^{1,2^}, MacAdams, J.C.^{1,2^}, Allison, M.J.³, Bergman, L.C.³, Sneiderman, R.^{4,5}, Koop, B.⁶, Starzomski, B.M.¹, Lesperance, M.L.⁴ and Helbing, C.C.^{3*}

¹ School of Environmental Studies, University of Victoria, Victoria, British Columbia, Canada

² Ecofish Research Ltd., Victoria, British Columbia, Canada

³ Department of Biochemistry and Microbiology, University of Victoria, Victoria, British Columbia, Canada

⁴ Department of Mathematics and Statistics, University of Victoria, Victoria, British Columbia, Canada

⁵ Department of Analytical Studies, Methodology and Statistical Infrastructure, Statistics Canada, Ottawa, Ontario, Canada

⁶ Department of Biology, University of Victoria, Victoria, British Columbia, Canada

[^]Equal First Authorship

*Corresponding Author: Caren C. Helbing, Phone (250) 721-6146, Fax (250) 721-8855, E-mail chelbing@uvic.ca

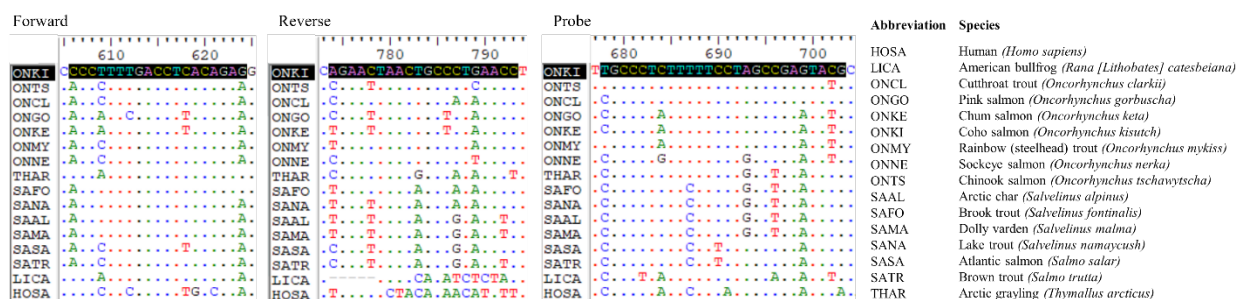


Figure S1. Sequence alignments of multiple species' *mt-nd1* genes at the forward primer, reverse primer, and probe regions of the eONKI4 assay. Alignments were conducted using ClustalW (<http://www.genome.jp/tools-bin/clustalw>) and visualized using BioEdit (Ibis Biosciences, Carlsbad, CA, USA).