

**Figure S1**: Process for selecting the species for modelling.

Note: *G. tigrinus* and *E. sinensis* were selected using CMIST but their models were not included in the present study (euryhaline species that resulted in low performance models with the environmental layers considered). Instead, three species were added for having a special interest on them: *D. contorta* (found to be present in Arctic regions according to (Mathieson, Moore, & Short, 2010), *A. eburneus* (found in hull fouling arriving in Canadian Arctic ports according to (Chan, MacIsaac, & Bailey, 2015) and *C. intestinalis* (reported in some Arctic regions and suspected to belong to a coldwater subspecies complex - f. *gelatinosa* or f. *longissimi* - rather than *C. intestinalis* f., *typical* according to (Sanamyan & Sanamyan, 2007).

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