1 **Additional Supporting Information**

2 **Database of phytoplankton species and other protists occurrence in North American Arctic: synthesis of recent**

3 **diversity of toxic and harmful algae**

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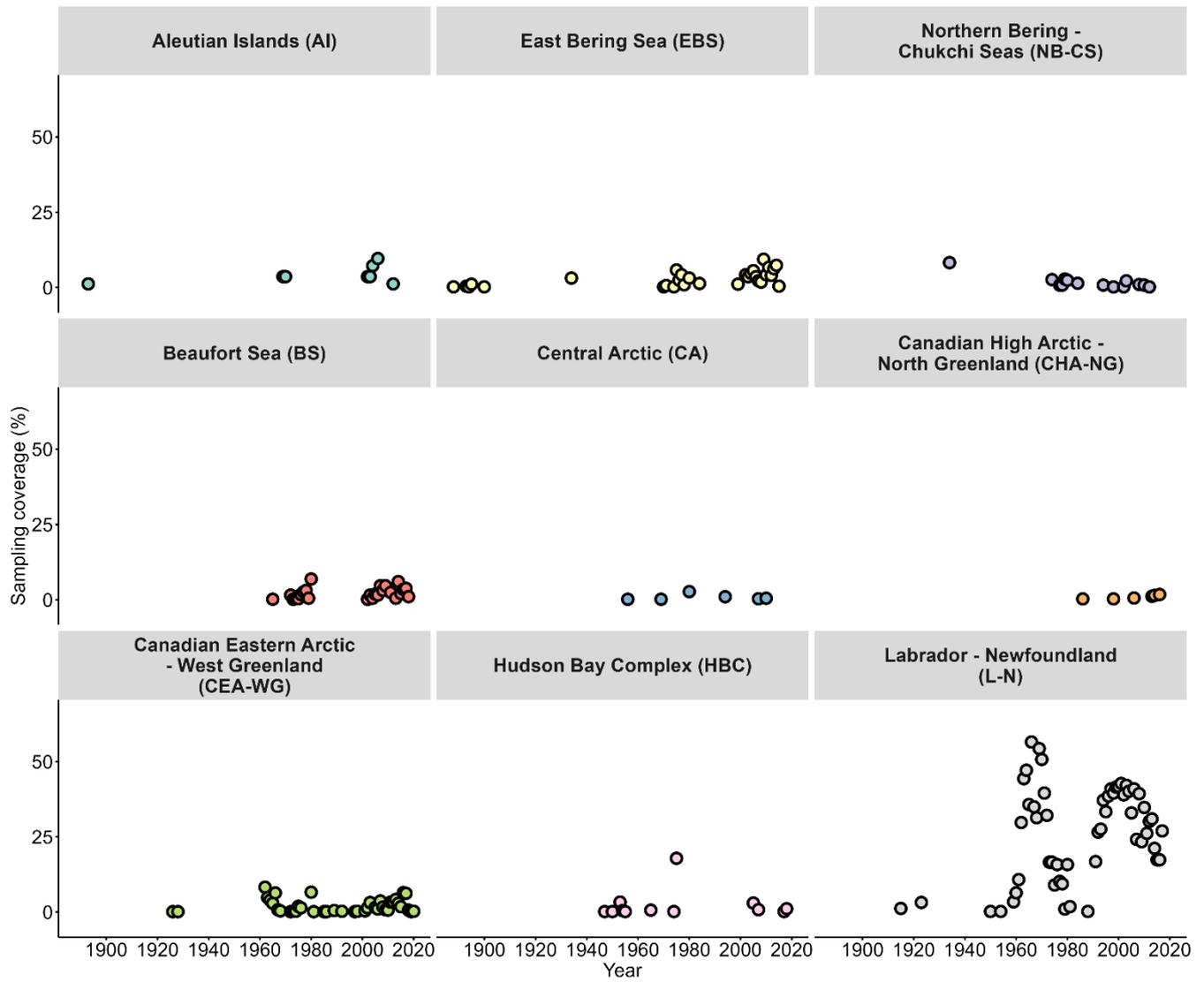
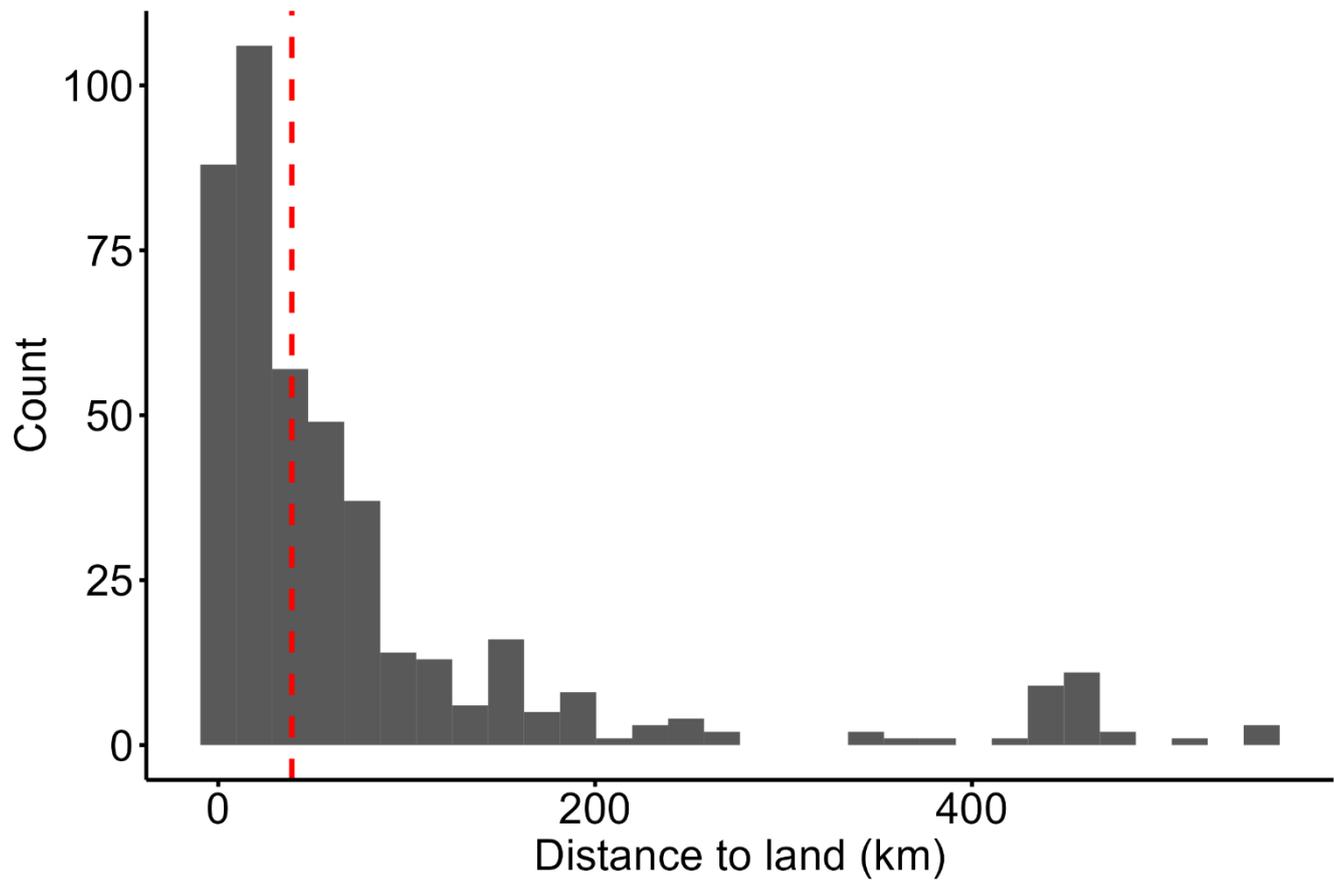
10 **Supplementary figures**

11

12 **Figure S1: Temporal variation of sampling coverage (%) for each Large Marine Ecosystem (LME) region. Abbreviations of the**
13 **LME regions are in parentheses.**

14

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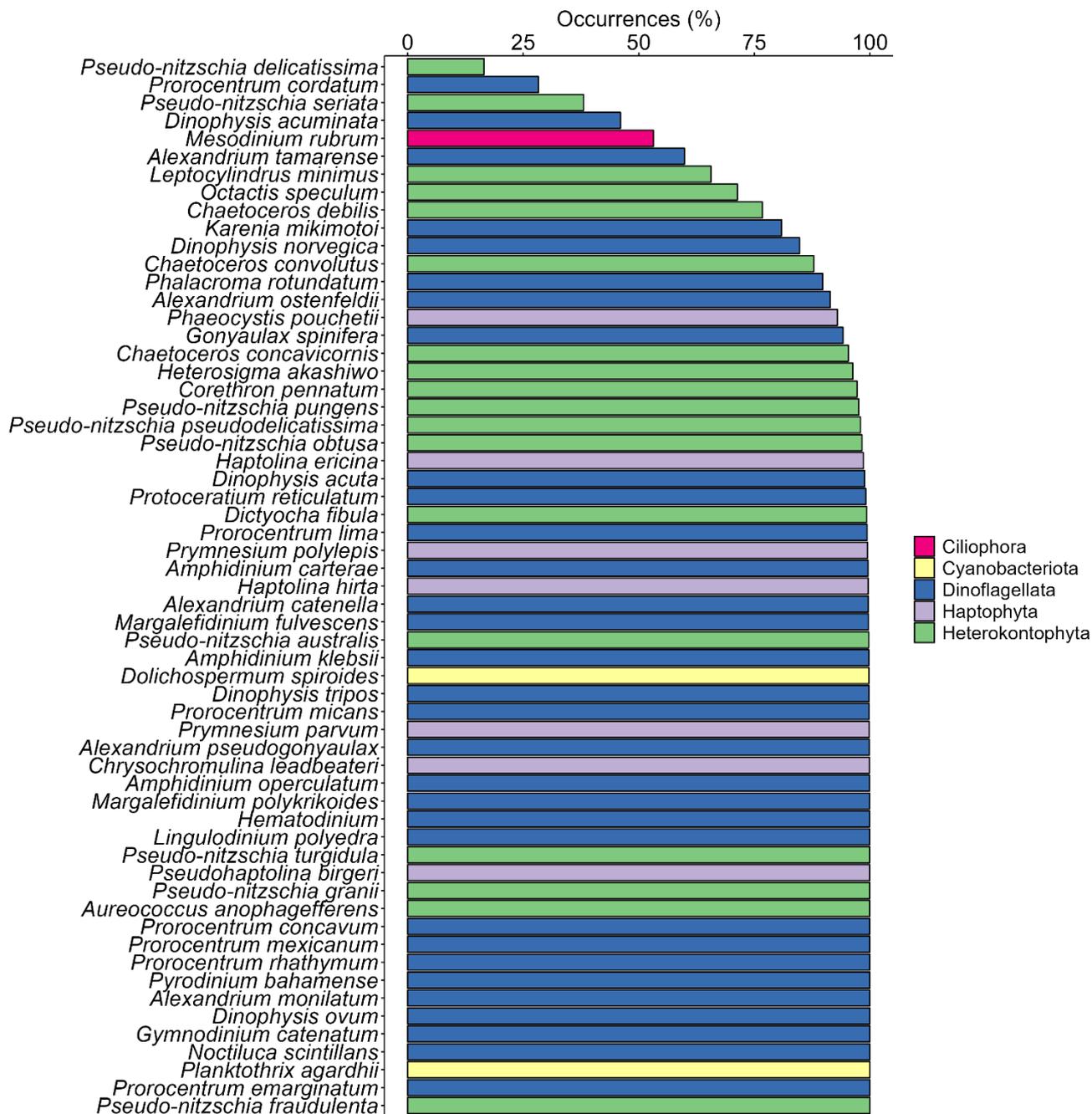
16 **Figure S2: Histogram of the distribution of distances to land (kilometers) for the sampled station in the Beaufort Sea (BS) region.**
17 **The red dashed line represents the median.**

18

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20 **Figure S3: Cumulative occurrences (%) of the HA taxa**.

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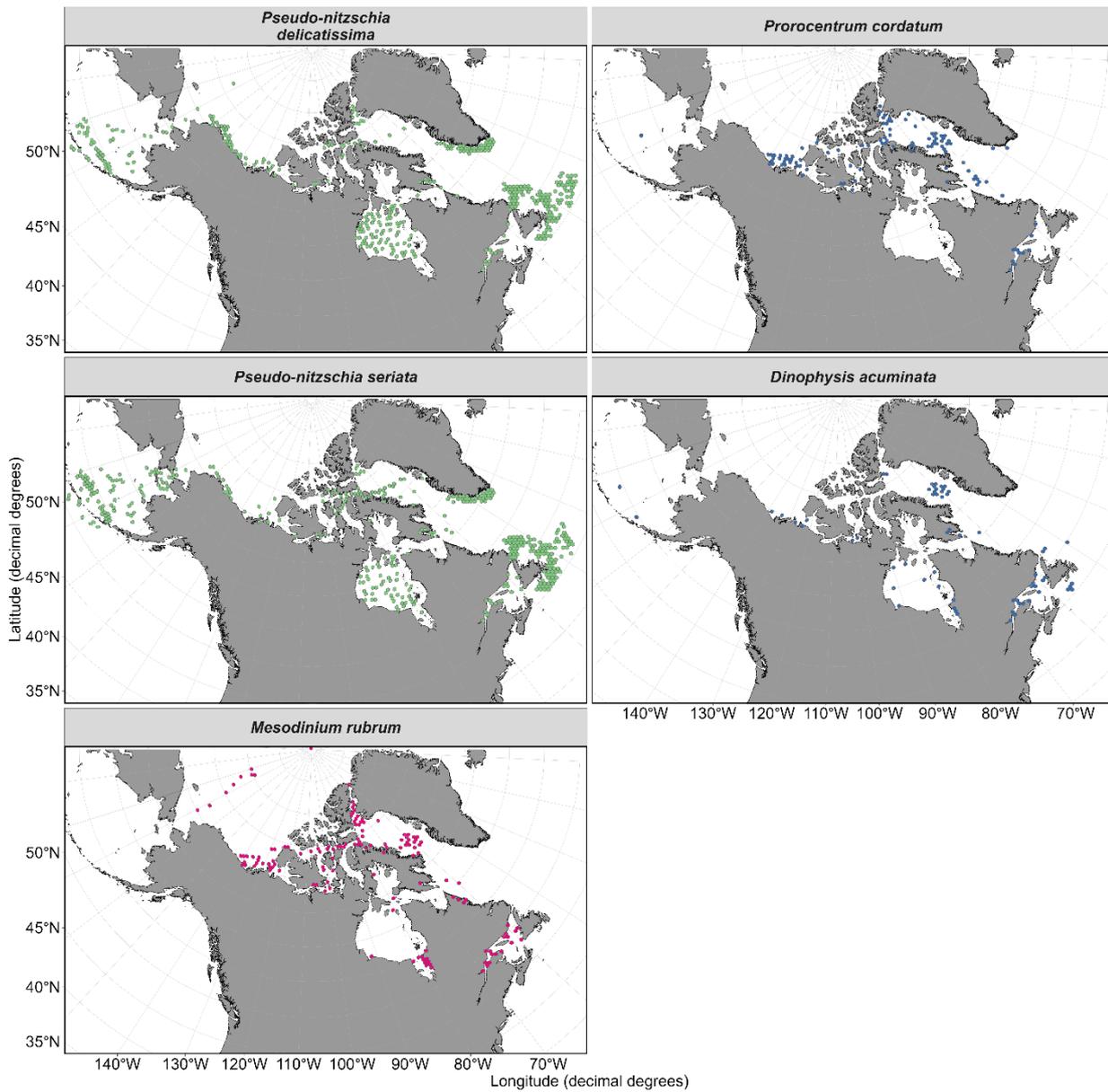
Figure S4: Geographical distribution of the five most occurring HA species.