**Supplementary Information**



**Supplementary Figure 1**: Climatic and topographic characterization of sites where *L. serriola*, *L. virosa*, and both species were found. The thick vertical line represents median values across occurrences, the boxplots between 25 and 75% of variation, and circles the outliers within 90% of total variation.

**A**



**B**

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**C**

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**Supplementary Figure 2**: A. Non-metric multidimensional scaling, B. principal component analysis, and C Biplot of principal component analysis, showing the 23 measured climatic and topographic variables, for *L. serriola* and *L. virosa*. Sites where the species overlap are not included in these analyses.