**Supplementary information 4**

**Comparison between current and previous spatial resolution of Bio-ORACLE dataset**

A map of the world

Description automatically generated

Figure 1. Detail of the current grid of Bio-ORACLE dataset (version 3.0), with a 0.05º spatial resolution. Compared to the previous version (Fig. 2), this version better captures geomorphological features like landmasses and islands.

A map of the world

Description automatically generated

Figure 2. Detail of the previous grid of Bio-ORACLE dataset (version 2.0), with a 0.08º spatial resolution.