**The extinct marine megafauna of the Phanerozoic**

Pimiento et al.

**Data S1.** **Metadata with the 706 extinct marine megafaunal taxa found from the literature.** The *Dataset* spreadsheet shows each data entry, and their corresponding taxonomic, age, size, and ecological information, as well as the citation of each reference from which this information was gathered from. The *References* spreadsheet lists the full references (author, year, title, journal, and link) from the *Dataset*. The Abbreviation spreadsheet describes the acronyms used in the *Dataset*.

**Data S2. Number and relative proportion of first appearance datums (FAD) and last appearance datums (LAD) across taxonomic groups and epochs.**