Supplement 2: Conversion factors used to calculate taxon-specific biomass per individual. Abbreviations: *D* = measured dimension, *DW* = dry weight, *fWW* = fresh wet weight, *pWW* = preserved wet weight, *tsiB* = taxon-specific individual biomass.

References: 1(Durden et al., 2016), 2(Rowe, 1983), 3(Tilot, 1992), 4(Froese et al., 2014), 5(Froese and Pauly, 2017), 6(Brey et al., 2010)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Taxon** | ***D*** | **Conversion factors** | | | | | | **Ref.** |
| ***D* (mm) 🡪 *fWW* (g)** | ***D* (mm) 🡪 *pWW* (g)** | ***pWW* (g) 🡪 *fWW* (g)** | ***fWW* (g) 🡪 *DW* (g)** | ***fWW* (g) 🡪 *tsiB* (g org. C)** | **DW (g) 🡪 *tsiB* (g org. C)** |
| Actiniaria | Column D |  |  |  |  |  |  | 1, 2 |
| Alcyonacea |  |  |  |  |  |  |  | 3 |
| Antipatharia | Column D |  |  |  |  |  |  | 1, 2 |
| Ascidiacea |  |  |  |  |  |  |  | 3 |
| Asteroidea | Radius from center of disk to end of arm |  |  |  |  |  |  | 1, 2 |
| Cephalopoda | Arm length |  |  |  |  |  |  | 1, 2 |
| Ceriantharia |  |  |  |  |  |  |  | 3 |
| Cnidaria |  |  |  |  |  |  |  | 1, 2 |
| Crinoidea |  |  |  |  |  |  |  | 3 |
|  |  |  |  |  |  |  |  |  |
| Crustacea | Body length |  |  |  |  |  |  | 1, 2 |
| Echinoidea |  |  |  |  |  |  |  | 3 |
| Ophiuroidea | Radius from center of disk to end of arm |  |  |  |  |  |  | 1, 2 |
| Polychaeta | Body length |  |  |  |  |  |  | 1, 2 |
| Poriferac |  |  |  |  |  |  |  | 1, 2 |
| Osteichthyesf | Body length |  |  |  |  |  |  | 4, 5, 6 |

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