**Table S1.**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Region | Species | Meta-analysis of food items | | | | | | Number of published food item records | Primary References | FISHBASE Trophic Position\* |
| **% C** | **% O** | **% E** | **% A** | **% F** | **% Oth** |
| **North Pacific Subtropical Gyre (Hawaii)** | *Bolinichthys longipes* (L) | 78.1 | 9.4 | - | 3.1 | - | 9.4 | n = 32 | Clarke (1980) | 3.1 ± 0.22 |
|  | *Idiacanthus fasciola* (D) | - | - | - | - | 66.7 | 33.3 | n = 8 | Clarke (1982) | 3.92 ± 0.67 |
|  | *Chauliodus sloani* (D) | - | - | 15.8 | 5.3 | 57.9 | 21.0 | n=19 | Clarke (1982) | 4.20 ± 0.73 |
| **Tasman Sea Abyssal Basin** | *Lampanyctus australis* (L) | 14.3 | 7.1 | 14.3 | 14.3 | 14.3 | 35.8 | n=14 | Williams et al. (2001) | 3.25 ± 0.42 |
|  | *C. sloani* (D) | - | - | 15.8 | 5.3 | 57.9 | 21.0 | n=19 | Williams et al. (2001)  Butler et al. (2001) | 4.20 ± 0.73 |
| **Gulf of Mexico** | *Benthosema suborbitale* (L) | 52.6 | 13.2 | 6.6 | 7.9 | 1.3 | 18.4 | n = 76 | McClain-Counts (2010)  Hopkins et al. (1996)  Hopkins and Gartner (1992) | 3.40 ± 0.45 |
|  | *C. sloani* (D) | - | - | 15.8 | 5.3 | 57.9 | 21.0 | n=19 | Hopkins et al. (1996)  Sutton and Hopkins (1996) | 4.20 ± 0.73 |
| **Northern Mid-Atlantic Ridge** | *Benthosema glaciale* (L) | 33.3 | 9.1 | 21.2 | 12.1 | - | 21.2 | n=33 | Gjøsaeter (1973)  Kinzer (1977)  Roe and Badcock (1984)  Sameoto (1988) | 2.99 ± 0.29 |
|  | *Stomias boa* (D) | - | - | - | - | 80.0 | 20.0 | n = 5 | Mauchline and Gordon (1983)  Borodulina (1971) | 3.95 ± 0.64 |
| **California Current** | *Stenobrachius leucopsaurus* (L) | 55.8 | 3.4 | 11.7 | 10.2 | 2.4 | 16.5 | n = 206 | Beamish (1999)  Pearcy et al. (1979)  Suntsov and Brodeur (2008) | 3.23 ± 0.26 |
|  | *I. antrostomus* (D) | 0 | 0 | 0 | 0 | 100 | 0 | n=3 | Borodulina (1971) | 3.83 ± 0.60 |

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