**S1 Table. Species critical oxygen values and associated temperatures used in this study.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Species Name** | **Common Name** | **Temperature (°C)** | **Critical PO2 (kPa)** | **Citation** |
| *Centropristis*  *striata* | Black sea bass | 12 | 4.13 | Slesinger et al. 2019 |
| 17 | 4.48 |
| 22 | 4.58 |
| 27 | 6.64 |
| 30 | 7.95 |
| *Gadus*  *morhua* | Atlantic cod | 5 | 3.49 | Schurmann & Steffensen 1997 |
| 10 | 4.91 |
| 15 | 6.42 |
| *Paralichthys*  *dentatus* | Summer floundera,b | 22 | 5.67 | Caposella et al 2012 |
| 30 | 8.19 |
| 22 | 5.60 | Schwieterman et al. 2019 |
| 30 | 8.00 |
| *Squalus*  *acanthias* | Spiny dogfish | 10 | 3.33 | Andres 2022 |
| 13 | 3.24 |
| 17 | 3.9 |
| 21 | 4.37 |
| 23 | 4.42 |
| *Tautogolabrus*  *adspersus* | Cunnerb | 1 | 3.58 | Corkum & Gamperl 2009 |
| 8 | 4.53 |

aData for summer flounder included two studies, which reported similar values.

bSummer flounder and cunner were the only fish with two temperature bins.