**Supplementary table 1**: Samples sizes of fish that were used from each population over the course of the experiment. Nall measurements refers to fish that completed aerobic physiology and immunocompetence experiments at all testing temperatures (i.e., 27, 28.5, 30, and 31.5°C), in addition to having tissue and blood samples collected at the conclusion of the experiment.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Population* | | *Latitude* | | *N* | *Nall measurements* |
| Sudbury Reef | Low-latitude | | 11 | | 9 |
| Tongue Reef | Low-latitude | | 8 | | 6 |
| Vlassof Cay | Low-latitude | | 10 | | 6 |
| Cockermouth Island | High-latitude | | 10 | | 8 |
| Keswick Island | High-latitude | | 6 | | 4 |
| Chauvel Reef | High-latitude | | 10 | | 5 |
| *Total* |  | | ***55*** | | ***38*** |