**Consensus thermotolerance ranking for 110 *Symbiodinium* phylotypes: an exemplar utilization of a novel iterative partial rank aggregation tool**

**with broad application potential**

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**Table S3.** Assessment of IPRAPA performance in resolving ranking disagreements among input lists against an exhaustive search algorithm (Kemeny-Young) for the reduced (10 element) data sets using α (Kendall Tau) as the comparison metric (α < 2 is considered an accurate approximation).

**Table S3**

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| --- | --- | --- | --- |
| **Realization** | **τ (Kemeny-Young)** | **τ (IPRAPA)** | **α (Kendall Tau)** |
| 1 | 180 | 244 | 1.36 |
| 2 | 160 | 182 | 1.14 |
| 3 | 164 | 218 | 1.33 |
| 4 | 169 | 247 | 1.46 |
| 5 | 159 | 189 | 1.19 |
| 6 | 179 | 225 | 1.26 |
| 7 | 178 | 228 | 1.28 |
| 8 | 169 | 215 | 1.27 |
| 9 | 191 | 219 | 1.15 |
| 10 | 170 | 232 | 1.36 |
| Mean | 171.9 | 219.9 | 1.28 |
| Worst-Case | 191 | 247 | 1.46 |
|  |  |  |  |