**Table S2**. P-values of the maximum Electron Transport Rate (ETRmax) between the controls (non-cryopreserved) and the cryopreserved isolates for *Breviolum psygmophilum* and *Effrenium voratum* culture isolates separately during the Pulse Amplitude Modulated (PAM) fluorimetry assessment tests.

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| --- | --- | --- |
| **Culture isolate** | **Experimental days** | **p-values for the ETRmax (µmol** **photons m-2 s-1) between the control and cryopreserved isolates** |
| *Breviolum psygmophilum* | Day 12 | 0.0740 |
| Day 16 | 0.5309 |
| Day 20 | 0.1425 |
| Day 24 | 0.4034 |
| Day 28 | 0.4034 |
| Day 32 | 0.0593 |
| Day 36 | 1 |
| *Effrenium voratum* | Day 12 | 1 |
| Day 16 | 0.5309 |
| Day 20 | 0.5296 |
| Day 24 | 0.7533 |
| Day 28 | 0.6761 |
| Day 32 | 1 |
| Day 36 | 0.4633 |