S3 Table: *p*-values and $R^2$ from Linear Regression of Physical Parameters vs. NMDS1 and NMDS2

| Physical Parameter                                | NMDS1 |         |         | NMDS2 |         |         |
|--------------------------------------------------|-------|---------|---------|-------|---------|---------|
|                                                  | *p*-value of slope | $R^2$   | *p*-value of slope | $R^2$ |
| Avg Annual Max Temp                              | 0.02  | 0.0327  | <0.0001 | 0.4154 |
| Avg Annual Range                                 | 0.001 | 0.0926  | <0.0001 | 0.4361 |
| Avg Annual Days Above Bleaching Threshold         | 0.3   | 0.0063  | <0.0001 | 0.5644 |
| Avg Annual Consecutive Days Above Bleaching      | <0.0001 | 0.1026 | <0.0001 | 0.6039 |
| Threshold                                        |       |         |         |       |         |         |
| Chl *a*                                          | 0.5   | 0.0035  | **0.009** | 0.0434 |