Appendix Table 1: Model 2 output. Note low p values indicating significant effects throughout studies.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Subgroup | Study reference | Estimate | Standard error | Z value | P value | Lower CI | Upper CI |
| Chlorophytes |  | -0.1350 | 0.0442 | -3.0549 | 0.0023 | -0.2217 | -0.0484 |
| Cyanobacteria |  | 0.4620 | 0.0705 | 6.5516 | <.0001 | 0.3238 | 0.6002 |
| Diatoms |  | 0.1434 | 0.0484 | 2.9636 | 0.0030 | 0.0486 | 0.2383 |
|  | Benner, Irwin and Finkel, 2020 | 0.5362 | 0.0520 | 10.3031 | <.0001 | 0.4342 | 0.6382 |
|  | Melero-Jimenez et al., 2022 | 0.3318 | 0.0532 | 6.2423 | <.0001 | 0.2276 | 0.4360 |
|  | Staehr and Birkeland, 2006 | 1.1492 | 0.1190 | 9.6582 | <.0001 | 0.9160 | 1.3824 |
|  | Wang et al., 2023 | -0.2568 | 0.0978 | -0.6668 | 0.5049 | -0.2568 | 0.1264 |