|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *β*0 (Intercept) | *β*1 (P-regime) | *β*2 (Temp) | *β*3  (P-regime : Temp) | R2 (% explained by each variable) |
| *E.huxleyii*  C  N  P  RNA | -11.97 \*\*\*  -12.98 \*\*\*  -14.49 \*\*\*  -15.45 \*\*\* | 0.188\*  NS  0.386\*\*\*  0.488\*\*\* | -0.04 (NS)  NS  -0.026 (NS)  -0.189\* | NS  NS  0.179\*  NS | 0.67 (67, -,-)  -  0.95 (91, 2, 3)  0.89 (77, 12, -) |
| *C. rotalis*  C  N  P  RNA | -12.16 \*\*\*  -13.2 \*\*\*  -14.67 \*\*\*  -15.42 \*\*\* | 0.057 (NS)  -0.015 (NS)  0.22\*  0.55\*\*\* | -0.086 (NS)  -0.12\*  -0.06 (NS)  -0.23\* | 0.279\*  0.349\*\*\*  0.44\*\*  0.31\* | 0.88 (56, 4, 28)  0.92 (40, 4, 48)  0.97 (70, 9, 18)  0.98 (93, 1,5) |
| *P. polylepis*  C  N  P  RNA | -11.43 \*\*\*  -12.49 \*\*\*  -13.79 \*\*\*  -14.35 \*\*\* | -0.96\*  NS  NS  0.204\* | 0.149\*  NS  0.179\*  0.195\* | NS  NS  NS  NS | 0.71 (50, 21)  -  0.6 (60, -,-)  0.8 (42,38) |

**Table S3:** Results from liner models of cell quota of C, N, P and RNA. Legend as in table 2 in manuscript.

\*\*\* < 0.0001, \*\* < 0.001, \* < 0.05