|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *β*0 (Intercept) | *β*1 (P-regime) | *β*2 (Temp) |  *β*3(P-regime : Temp) | R2 (% explained by each variable) |
| *E.huxleyii*CNPRNA | -11.97 \*\*\*-12.98 \*\*\*-14.49 \*\*\*-15.45 \*\*\* | 0.188\*NS0.386\*\*\*0.488\*\*\* | -0.04 (NS)NS-0.026 (NS)-0.189\* | NSNS0.179\*NS | 0.67 (67, -,-)-0.95 (91, 2, 3)0.89 (77, 12, -) |
| *C. rotalis*CNPRNA | -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*CNPRNA | -11.43 \*\*\*-12.49 \*\*\*-13.79 \*\*\*-14.35 \*\*\* | -0.96\*NSNS0.204\* | 0.149\*NS0.179\*0.195\* | NSNSNSNS | 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