

$\delta^{15}\text{N}$ $\delta^{13}\text{C}$ ANCOVA
 $\times \delta^{13}\text{C}$ $p < 0.0001$
5 3000 m
 $\delta^{13}\text{C}$
 $\delta^{15}\text{N}$
3 29°, 31° 33°N
 $\delta^{15}\text{N}$ 29°N: $r^2 = 0.698$,
 $p < 0.0001$ 3 33°N: $r^2 = 0.495$, $p < 0.05$
31°N: $r^2 = 0.668$, $p < 0.01$ 37°N 41°N
 $\delta^{15}\text{N}$ 41°N 3000 m
 $\delta^{15}\text{N}$ 3 ANCOVA
 $p < 0.05$ \times
 $\delta^{15}\text{N}$
8 0-200 m
3 $\delta^{13}\text{C}$ $\delta^{15}\text{N}$
 $\delta^{15}\text{N}$ 3 $\delta^{13}\text{C}$ 3
 $\delta^{15}\text{N}$ 3 $\delta^{15}\text{N}$
 $r^2 = 0.787 - 0.826$, $p < 0.001$
3 112 μm $\delta^{15}\text{N}$
925 μm $\delta^{15}\text{N}$
407 μm 3
 $\delta^{15}\text{N}$ ANCOVA \times
3
 $\delta^{15}\text{N}$ $\delta^{13}\text{C}$
 $\delta^{15}\text{N}$ $\delta^{15}\text{N}$

Neocalanus