



Supplementary Figure S3. Plots of the \ln cell-specific prokaryotic heterotrophic production (Prokaryotic heterotrophic production (PHP)/ prokaryotic abundance (PA)) against the inverse absolute temperature ($1/T$) for a) the epipelagic (0–200m), b) mesopelagic (201–1,000 m) and c) bathypelagic (1,001–4,000 m) samples. The error reported for the cell-specific PHP grouped samples by 1°C bins represent the standard deviation. The solid lines represents the corresponding regression lines with the origin intercept and slope of the regression equations and their corresponding standard errors; R^2 , coefficient of determination. The inset in each graph shows the raw data for each depth layer.