(a) Threshold = 0.05 (too sensitive) Seasonal Diel Temperature [°C] ī (b) Threshold = 0.1 (used in this study) Seasonal Diel Temperature [°C] -5 ī (c) Threshold = 0.2 (over simplified) Diel Seasonal Temperature [°C] T

Figure S1 Extracting seasonal and diel periodic patterns in temperature based on different threshold value for Fourier analysis. We employed 0.1 °C in our study.