



**Supplementary Figure 1.** brGDGT-based mean annual temperature (MAT) reconstructions at White Pond, SC based on the calibrations of Peterse et al., 2012 (red line), Weijers et al., 2007b (blue), Loomis et al., 2012 (green), Pearson et al., 2011 (purple), and Sun et al., 2011 (orange). MAT reconstructions are plotted against the BIT index (black), and CBT values and inferred pH (dashed line).