Supplemental Figure 2. **A.** Results of the *PalaeoSig* (Telford, 2023) analysis for MAAT reconstructions for Twin Ponds. The solid black lines indicates that the MAAT reconstruction explain 38% of the variance in the fossil pollen record and relative to 1000 null reconstructions shown in grey is significant at a p value of 0.001. The red dotted line indicates the position of signigicance at a p value of 0.05. **B.** Same as A. but for Twin Ponds total annual precipitation reconstruction. These reconstructions explained 16% of the variance and relative to the 1000 null reconstructions was not signficant (p=0.163).