SUPPLEMENTARY FIGURE CAPTIONS

S1: The annual mean surface air temperature (TAS, °C) of the pre-Industrail simulation for all the PMIP3 models.

S2: The summer (JJA) precipitation (mm/day) of the pre-Industrail simulation for all the PMIP3 models.

S3: Changes in the annual mean TAS (°C) at mid-Holocene for all the PMIP3 models.

S4: Changes in the summer precipitation (%) at mid-Holocene for all the PMIP3 models.