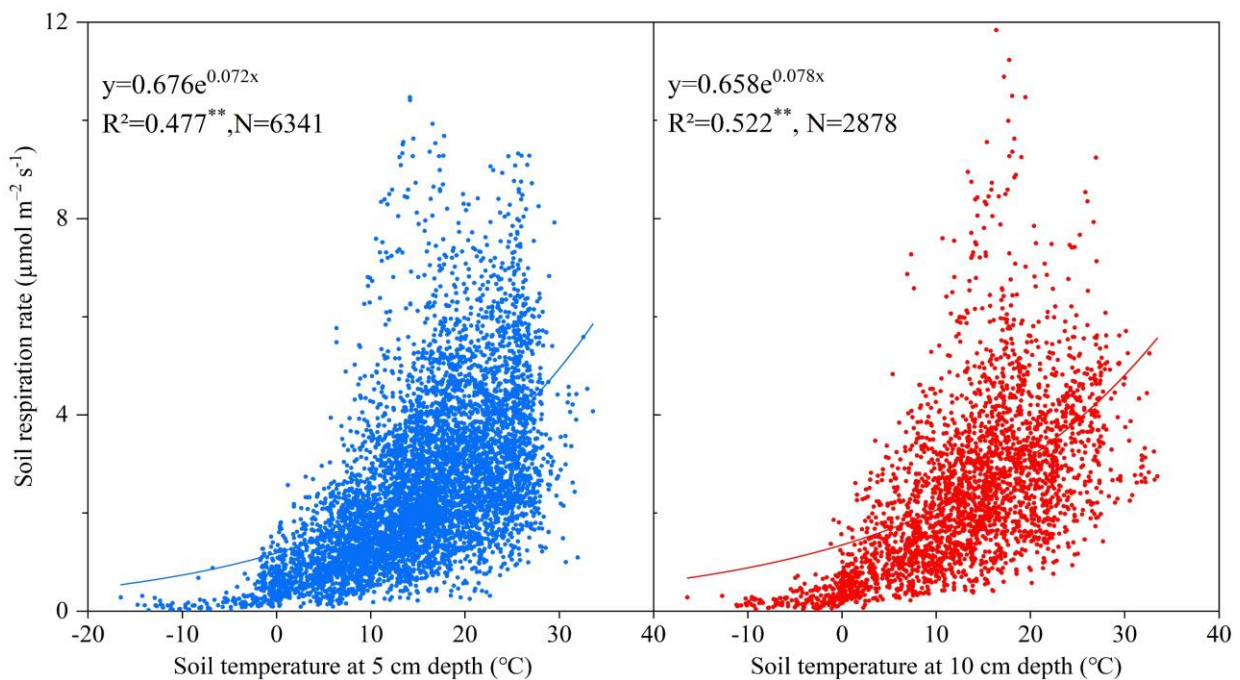
2 **Figure S1.** Validation of mean soil respiration rate (*Rs*), soil temperature at 5 cm depth

3 (T_5) and 10 cm depth (T_{10}). The X axis stands for the means directly collected from the

4 original studies, and the Y axis stands for the averaged values from the extracted data

5 with a graphic digitizing software (WEBPLOTDIGITIZER) during the corresponding

6 observation period.

7 **Figure S2.** Exponential relationships of soil respiration rates with soil temperature at 5

8 cm depth and 10 cm depth in forest ecosystems across China.