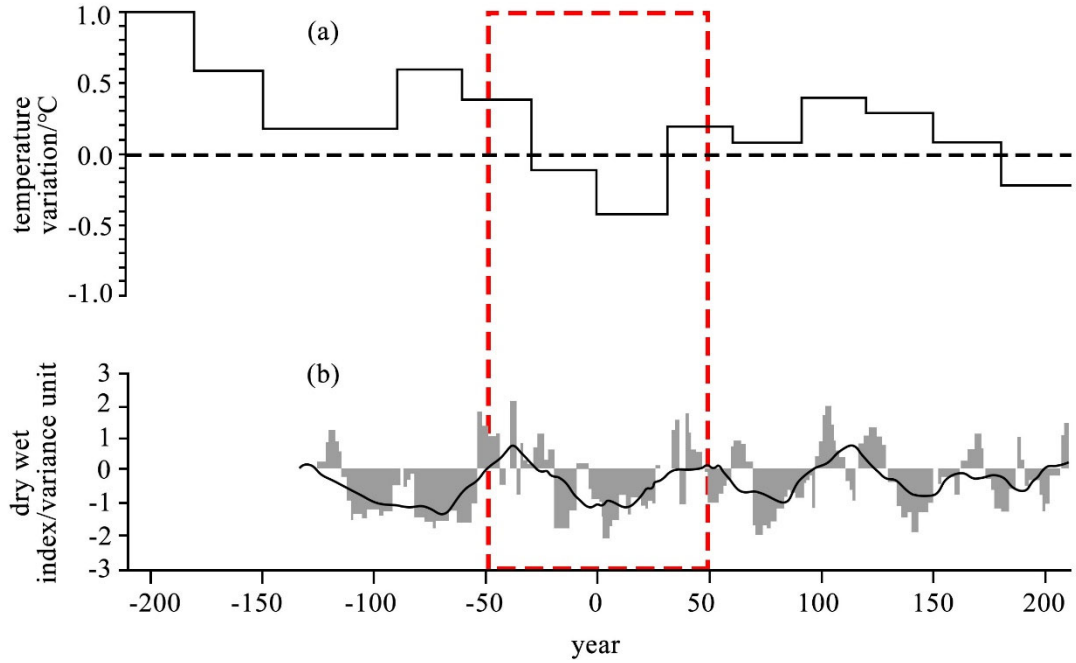


**Figure S1.** (a) The temperature changes in the eastern and central regions of China during the Qin and Han dynasties in the winter half year; (b) The dry and wet changes in the eastern and central regions of China during the Qin and Han dynasties. The red dashed box in the picture indicates the period of existence of the Han Dynasty settlement site in Sanyangzhuang.

This picture indicates from the late Western Han Dynasty to the early Eastern Han Dynasty (around 50 BCE to 50 CE), Sanyangzhuang was located in a relatively low-humidity environment on the North China Plain, characterized by a cold and arid climate with little precipitation.