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Advancement of warm temperate forest in Kanto Plain during early Holocene

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During the early Holocene, Jomon Transgression invaded into Kanto Plain to make Oku-Tokyo Bay in the central Kanto Plain. Along with the northern movement of sea water, Lucidophyllous forest characterized by *Quercus cyclobalanopsis*, *Castanopsis* etc. must advance to north. To clarify this process, pollen assemblages from three cores of Chuseki-so at Misato, southern Saitama Prefecture, Kawasaki, north Kanagawa Prefecture, and Tateyama, southernmost Chiba Prefecture, were analyzed.

The results indicate such warm temperate elements did not always occur from the south, while the rapid increase of *Quercus cyclobalanopsis* occurred early in southern area among three core sites analyzed.

Keywords: pollen, Holocene, Kanto Plain, Lucidophyllous Forest, *Quercus cyclobalanopsis*